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April 12, 2004

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074830-0109**VIA FACSIMILE & FEDEX**

William J. Ryczek
Emergency Enforcement & Support Section (SE-5J)
United States Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Response to Request for Information Pursuant to Section 104
of CERCLA for RRG/Clayton Chemical Company Superfund
Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois

Dear Mr. Ryczek:

Enclosed please find Sigma Chemical Company, n/k/a/ Sigma-Aldrich Co.'s ("Sigma-Aldrich Co.") second response to the United States Environmental Protection Agency's ("U.S. EPA") Request for Information Pursuant to 42 U.S.C. §§ 9601, *et seq.*, for the RRG/Clayton Chemical Company Superfund Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois ("Information Request"), dated January 28, 2004. The Information Request was received by Sigma-Aldrich Co. on January 30, 2004; pursuant to an agreement with U.S. EPA, Sigma-Aldrich Co. provided a partial response on March 10, 2004 and is providing a response to the remainder of the Information Request today. Sigma-Aldrich Co. retains the right to supplement its response in the event additional responsive information is identified.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Leah M. Krider

Enclosures

cc: George R. Bleazard
Mark A. Thimke

**SIGMA CHEMICAL COMPANY, N/K/A SIGMA-ALDRICH CO.
RESPONSE TO REQUEST FOR INFORMATION
PURSUANT TO SECTION 104 OF CERCLA
FOR THE RRG/CLAYTON CHEMICAL COMPANY SUPERFUND SITE,
1 MOBILE AVENUE, SAUGET, ST. CLAIR COUNTY, ILLINOIS**

APRIL 12, 2004

Sigma Chemical Company, n/k/a/ Sigma-Aldrich Co. ("Sigma-Aldrich Co.") has received and reviewed the United States Environmental Protection Agency's ("U.S. EPA") Request for Information Pursuant to 42 U.S.C. §§ 9601, *et seq.*, for the RRG/Clayton Chemical Company Superfund Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois ("Site"), dated January 28, 2004 ("Information Request"). The Information Request was received by Sigma-Aldrich Co. on January 30, 2004; pursuant to an agreement with U.S. EPA, Sigma-Aldrich Co. provided a partial response to the Information Request on March 10, 2004 ("March Response") and provides this response to the remainder of the Information Request today.

Based upon a diligent review of information currently available, Sigma-Aldrich Co. does not have any liability at the Site. Sigma-Aldrich Co.'s solvent recovery operations at the Site did not cause or contribute to the contamination at the Site. Furthermore, those solvents sent to Clayton Chemical Company for fuel blending did not contribute to the contamination at the Site. Based on information obtained from U.S. EPA files, the hazardous materials identified at the Site are primarily lead, PCBs, arsenic, cadmium, chromium, toluene, chlorobenzene and dichlorobenzene. The only materials sent to the Site by Sigma-Aldrich Co. for recycling were alcohol (ethanol and methanol) and acetone. Sigma-Aldrich Co. did not send any materials to the Site containing PCBs, heavy metals (e.g., lead), or chlorinated solvents.

Sigma-Aldrich Co. leased a small portion of the Site from Clayton Chemical Company where Sigma-Aldrich Co. operated a solvent recycling operation. Sigma-Aldrich Co.'s limited operations at the Site were distinct from the other operations at the Site. Sigma-Aldrich Co. did not interact with Clayton Chemical Company or the other entities operating at the Site. The only materials sent to the Site by Sigma-Aldrich Co. for recycling or fuel blending were sent from Sigma-Aldrich Co.'s facilities in St. Louis. Sigma-Aldrich Co. did not treat, dispose or otherwise handle materials from any other source or party. Furthermore, all materials associated with Sigma-Aldrich Co.'s solvent recycling operations, including the reclaimed solvents, were returned to Sigma-Aldrich Co.'s facility in St. Louis. None of the materials sent to the Site and none of the materials associated with Sigma-Aldrich Co.'s operations were disposed at the Site.

Notwithstanding the foregoing defense, this Response is based upon information currently available to Sigma-Aldrich Co. Sigma-Aldrich Co. has conducted a diligent investigation of its business records and met with the appropriate employees. Sigma-Aldrich Co. reserves the right to revise, amend and/or update this Response in the future if Sigma-Aldrich Co. obtains additional relevant or responsive information. Sigma-Aldrich Co. objects to the Information Request to the extent that it seeks privileged information or information beyond the scope of U.S. EPA's legal authority. Without waiving these objections, or any of the objections identified below, Sigma-Aldrich Co. responds to the Information Request as follows:

REQUEST NO. 1

Identify all persons consulted in the preparation of the answers to these Information Requests.

Response No. 1

In addition to those persons identified in the March Response, the following persons were consulted in preparing this response:

Fred Shaffstall
Vice President, Director – Facilities Development
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Ronald Teller
Vice President – Manufacturing, Scientific Research, St. Louis
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Dan Tihen
Project Manager – Fine Chemicals
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Mike Hubbard
Supervisor – Production Services, Waste Management
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Bob Wulf
Technician – Environmental, Compliance, Safety & Health
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Paul Bange
Chemist – Production 2, Blood Products Group
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Steve Doelger
Vice President – Manufacturing, Biotechnology
Sigma-Aldrich Corporation

P.O. Box 14508
St. Louis, Missouri 63178

Shelly Wallerstein
Research Fellow – Process Development
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Bill Rogers
Retired
2400 State Street
Granite City, Illinois 62040

REQUEST NO. 2

Identify all documents consulted, examined, or referred to in the preparation of the answers to these Requests, and provide copies of all such documents.

Response No. 2

Any documentation referenced in preparing this response is identified in response to the relevant request.

REQUEST NO. 3

If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request of who may be able to provide additional responsive documents, identify such person.

Response No. 3

After conducting a diligent search, Sigma-Aldrich Co. does not have any information responsive to this request.

REQUEST NO. 4

Identify all persons having knowledge or information about the generation, transportation, treatment, disposal, or other handling of hazardous substances by you, your contractors or any other person at the Site.

Response No. 4

See Response No. 1.

REQUEST NO. 5

Identify all persons having knowledge or information about a dedicated storage facility or tank used by you, your contractors, or any other persons at the Site for materials sent by you to this Site.

Response No. 5

See Response No. 1.

REQUEST NO. 6

Identify the hazardous substances you or your contractors or any other persons either used, generated, stored, treated, disposed, processed, transported, or otherwise handled at the Site, including:

- (a) The chemical composition, characteristics, physical state (e.g., solid, liquid) of each hazardous substance;*
- (b) Who supplied you with such hazardous substances;*
- (c) How such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you;*
- (d) When such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you;*
- (e) Where such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you; and*
- (f) The quantity of such hazardous substances used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you.*
- (g) Provide any information concerning the hazardous substances supplied or generated by Respondent to the Site for treatment, storage, disposal or transport.*

Response No. 6

Documents responsive to this request are identified as Bates Nos. S/A-000025 to S/A-000211. (Portions of the documents that are not responsive to the Information Request have been redacted.)

Recycled Alcohol and Acetone

From approximately June 1974 to the early-1990s, Sigma-Aldrich Co. recycled alcohol and acetone used in its ATP natural extraction process at the Site. At the time, Sigma-Aldrich Co. was extracting ATP from horse meat at its facility in St. Louis. Ethanol and methanol were the only alcohols utilized in this natural extraction process. In addition, acetone would occasionally be used. In an effort to conserve resources, Sigma-Aldrich Co. decided to recycle the used alcohol from the ATP process. Sigma-Aldrich Co. conducted these solvent recycling operations on a 20' x 40' concrete pad leased from Clayton Chemical Company for exclusive use by Sigma-Aldrich Co.'s solvent recovery operations. The pad was located at the Site. In addition, Clayton Chemical Company provided Sigma-Aldrich Co. with steam and non-contact cooling water necessary for Sigma-Aldrich Co.'s recycling operations.

Sigma-Aldrich Co. recycled only the methanol, ethanol and acetone used in its natural extraction processes at the Site. After use in the natural extraction process at the St. Louis facility, the alcohol or acetone was shipped to the Site for recycling via a third party transporter. The third party transporters utilized by Sigma-Aldrich Co. for this purpose included Slay Trucking, Schreiber Tank Lines or Schreiber Truck Co., and Commercial Cartage Co. Once at the Site, the used alcohol or acetone was emptied into a tank prior to distillation. Typically, Sigma-Aldrich Co.'s solvent recycling system would process approximately 700 gallons per day of alcohol and approximately 1,100 gallons per day of acetone. Once distilled, the recycled or "clean" alcohol or acetone was placed in the tanker truck and returned to Sigma-Aldrich Co. facility for reuse in the process.

The still bottoms, residual material created as a by-product of the distillation process, were collected in the "bottoms" tank, located on the concrete pad. The bottoms consisted of primarily animal fats, particulate associated with the horse meat, and some residual solvent. The bottoms were sent by tanker truck to Sigma-Aldrich Co.'s facility in St. Louis for disposal. All materials associated with Sigma-Aldrich Co.'s solvent recovery operations at the Site were sent back to its St. Louis facility prior to disposal. Based upon information and belief after a diligent record search, Sigma-Aldrich Co. ceased operating the solvent recovery system at the Site no later than 1990 or 1991.

Sigma-Aldrich Co.'s limited solvent recovery operations at the Site were distinct from other operations at the Site. Sigma-Aldrich Co. did not send any materials for recycling to or otherwise handle any materials at the Site containing chlorinated volatile organic compounds, PCBs, or heavy metals. During the time Sigma-Aldrich Co. leased space from Clayton Chemical Company, the solvent recycling system was operated only by Sigma-Aldrich Co. employees, not Clayton Chemical Company employees or the employees of other entities, and was not operated on a continuous basis. Sigma-Aldrich Co. did not treat, dispose or otherwise handle materials from any other entities or processes other than the natural extraction processes conducted at Sigma-Aldrich Co.'s St. Louis facility.

Fuel Blending

In addition to the alcohol and acetone sent by Sigma-Aldrich Co. to the Site for recycling, in 1987 and 1988, Sigma-Aldrich Co. sent certain low Btu solvents to Clayton Chemical Company at the Site for fuel blending. Based upon information and belief after a diligent record search, similar to the solvents which were recycled at the Site, all of these low Btu solvents were used in the company's natural extraction processes. Since 1985, Sigma-Aldrich Co. has sent all of its hazardous waste for incineration. However, due to the high water content, the Btu of certain solvents was too low for incineration. These solvents were sent to Clayton Chemical Company for fuel blending. Based upon information and belief, Clayton Chemical Company would sell the blended fuel for use by other entities (e.g., cement kilns). Based upon information and belief, all materials sent to the Site by Sigma-Aldrich Co. were ultimately incinerated at a facility other than the Site. In addition, and based on documents identified in the records search, between December 1971 and March 1973, Sigma-Aldrich Co. sent nine loads of waste solvent to the Site for disposal. See Document Nos. S/A-000021 to S/A-000024. After a diligent

search, Sigma-Aldrich Co. does not have any further information regarding these shipments.

REQUEST NO. 7

Identify all liability insurance policies held by Respondent from the date of your involvement (identified in 6.d above) to the present. In identifying such policies, state the name and address of each insurer and of the insured, the amount of coverage under each policy, the commencement and expiration dates for each policy, whether or not the policy contains a "pollution exclusion" clause, and whether the policy covers or excludes sudden, non-sudden, or both types of accidents. In lieu of providing this information, you may submit complete copies of all relevant insurance policies.

Response No. 7

After conducting a diligent search, Sigma-Aldrich Co. does not have any information responsive to this request. Sigma-Aldrich did not have any environmental insurance coverage during the relevant time period.

REQUEST NO. 8

Identify all persons, including yourself, who may have arranged for disposal or treatment or arranged for transportation for disposal or treatment of waste materials, including hazardous substances, at the Site or to the Site or [transshipment Site]. In addition, identify the following:

- (a) The persons with whom you or such other persons made such arrangements, including, but not limited to a listing of all transporters;*
- (b) Every date on which such arrangements took place;*
- (c) For each transaction, the nature of the waste material or hazardous substance, including the chemical content, characteristics, physical state (e.g., solid, liquid) and the process for which the substance was used or the process which generated the substance;*
- (d) The owner of the waste materials or hazardous substances so accepted or transported;*
- (e) The quantity of the waste materials or hazardous substances involved (weight or volume) in each transaction and the total quantity for all transactions;*
- (f) All tests, analyses, and analytical results concerning the waste materials;*
- (g) The person(s) who selected the Site [or transshipment Site] as the place to which the waste materials or hazardous substances were transported;*
- (h) The amount paid in connection with each transaction, the method of payment, and the identify of the person from whom payment was received;*
- (i) Where the person identify in g. above intended to have such hazardous substances or waste materials transported and all evidence of this intent;*
- (j) Whether the waste materials or hazardous substances involved in each transaction were transshipped through, or were stored or held at, any intermediate site prior to final treatment or disposal;*

- (k) *What was actually done to the waste materials or hazardous substances once they were brought to the Site;*
- (l) *The final disposition of each of the waste materials or hazardous substances involved in such transactions;*
- (m) *The measures taken by you to determine the actual methods, means, and site of treatment or disposal of the waste material and hazardous substances involved in each transaction;*
- (n) *The type and number of containers in which the waste materials or hazardous substances were contained when they were accepted for transport, and subsequently until they were deposited at the Site, and all markings on such containers;*
- (o) *The price paid for (i) transport or (ii) disposal of (iii) [sic] or both, of each waste material and hazardous substance;*

Response No. 8

See March Response and Response No. 6.

REQUEST NO. 9 & 10

The Information Request did not include Request Nos. 9 and 10.

REQUEST NO. 11

Describe the nature of your activities or business at the Site, with respect to purchasing, receiving, processing, storing, treating, disposing, or otherwise handling hazardous substances or materials at the Site.

Response No. 11

See March Response.

REQUEST NO. 12

State the dates during which you owned, operated, or leased the Site, and provide copies of all documents evidencing or relating to such ownership, operation, or lease arrangement (e.g., deeds, leases, etc.).

Response No. 12

See March Response.

RESPONSE NO. 13

Describe and document all financial, business and legal relationships between Clayton Chemical Co., and RRG, Clayton Chemical Co. Acquisition, LLC, Specialty Waste, Environmental Operations, Inc., and the individual partners, members, officers and managing or operating boards of these entities.

Response No. 13

See March Response.

REQUEST NO. 14

Provide any documentation and background history on RRG, Clayton Chemical Acquisition, LLC, Specialty Waste, and the individual partners, members, officers and managing or operating boards of these entities.

Response No. 14

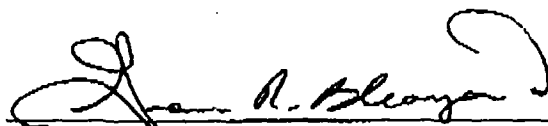
After a diligent search of its records, Sigma-Aldrich Co. does not have any information responsive to this request.

AFFIDAVIT OF GEORGE R. BLEAZARD

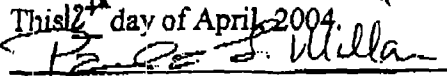
STATE OF MISSOURI)
)
CITY OF ST. LOUIS)

George R. Bleazard, being first duly sworn on oath, states as follows;

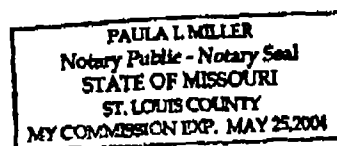
1. I am an adult resident of the State of Missouri and reside at 17109 Lafayette Trails Court, Wildwood, Missouri 63038.
2. I am the Corporate Director for Environmental Compliance, Health and Safety for Sigma-Aldrich Corporation located at 545 South Ewing Avenue, St. Louis, Missouri.
3. I make this affidavit in support of Sigma-Aldrich Co.'s Response to the U.S. EPA's Request for Information Pursuant to Section 104 of CERCLA for the RRG/Clayton Chemical Company Superfund Site, St. Clair County, Illinois dated January 28, 2004 ("Information Request").
4. Sigma-Aldrich Co. has conducted a diligent record search and met with employees who may have relevant knowledge regarding the activities that are the subject of the Information Request.
5. To the best of my knowledge, based on the information currently available to Sigma-Aldrich Co., this response is true, correct and accurate. Sigma-Aldrich Co. reserves the right to revise, amend and/or update this response in the future if Sigma-Aldrich Co. obtains additional relevant or responsive information.
6. This was prepared with the advice and assistance of Counsel.



George R. Bleazard
Corporate Director, Environmental, Compliance, Health & Safety

Subscribed and sworn to before me
This 2nd day of April, 2004.


NOTARY PUBLIC, State of Missouri
My Commission is/expires 5/25/04



CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DE KALB STREET
ST LOUIS, MO. 63118

INVOICE NO. 3269
DATE 1/7/72
CUSTOMER'S ORDER NO.

| HOW SHIPPED | DATE SHIPPED As below | QUANTITY SHIPPED | TERMS Net 10 days |
|-------------|--|------------------|----------------------|
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| | 12/4/71 - One load Waste Solvent pumped & disposed | | \$ 135.00 |
| | <p>ok. Sh. 1-10-71</p> | | |

CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DE KALB STREET
ST LOUIS, MO. 63118

INVOICE NO. 3286
DATE 2/7/72
CUSTOMER'S ORDER NO.

| HOW SHIPPED | DATE SHIPPED As below | QUANTITY SHIPPED | TERMS Net 10 days |
|-------------|--|------------------|----------------------|
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| 1/12/72 | One load Waste Solvent hauled and disposed | | \$ 135.00 |
| | <p>LM 2-8-72</p> <p>TJ 2-9-72</p> <p>JV 2/9/72</p> | | |

S/A-000021

CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105
Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DE KALB STREET
ST LOUIS, MO. 63118

INVOICE NO. 3323
DATE 4/10/72
CUSTOMER'S ORDER NO.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--|--|-------------|
| | As below | | Net 10 days |
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| | 3/21/72 - One load Waste Solvent pumped & disposed | | \$ 135.00 |
| | <i>TPR 4-13-72</i> | <i>Eugene A Powers</i> <i>4-13-72</i> | |

CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105
Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DE KALB STREET
ST LOUIS, MO. 63118

INVOICE NO. 3345
DATE 5/3/72
CUSTOMER'S ORDER NO.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|---|--|-------------|
| | 4/18/72 | | Net 10 Days |
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| 18/72 | Pump and dispose of 6000 Gals Waste Solvent | | \$135.00 |
| | | <i>Eugene A Powers</i> <i>5-8-72</i> <i>TPR 5-8-72</i> | |

S/A-000022

CLAYTON CHEMICAL COMPANY

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NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DeKALB STREET
ST. LOUIS, MISSOURI 63118

INVOICE NO. 3463
DATE 11/8/72
CUSTOMER'S ORDER NO.

| QTY SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--|------------------|---------------|
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| 10/72 | 1 Load Waste Solvent Pumped and Disposed | | \$135.00 |
| 11/72 | 1 Load Waste Solvent Pumped and Disposed | | <u>135.00</u> |
| | | | \$270.00 |

OK Eugene Powers 10-11-72

11-12-72 S.M.

CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

Parkview 6-6320 & BRIDGE 1-0467

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SIGMA CHEMICAL COMPANY
3500 DeKALB STREET
ST. LOUIS, MISSOURI 63118

INVOICE NO. 3422
DATE 9/8/72
CUSTOMER'S ORDER NO.

| QTY SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--|------------------|-----------------|
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| 8/72 | 1 load Waste Solvent Pumped and Disposed | | \$135.00 |
| 12/72 | 1 load Waste Solvent Pumped and Disposed | | <u>135.00</u> |
| | | | <u>\$270.00</u> |

OK 9-11-72 Eugene Powers

9-11-72 S.M.

9-12-72 S.M.

S/A-000023

CLAYTON CHEMICAL COMPANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

Parkview 6-6320 & BRidge 1-0467

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SIGMA CHEMICAL COMPANY
3500 DEKALB STREET
ST. LOUIS, MISSOURI 63118

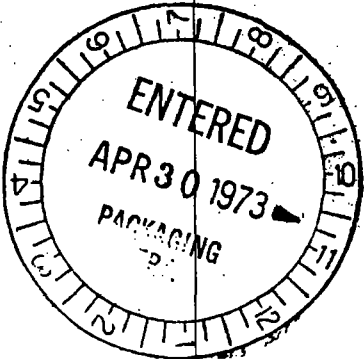
APR 23 1973

WPJL

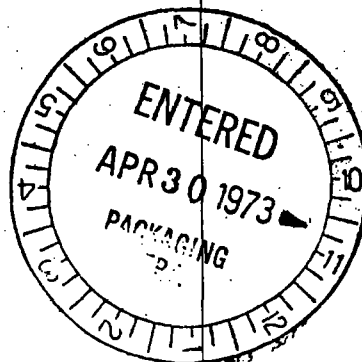
INVOICE NO. 3557
DATE 4/19/73
CUSTOMER'S ORDER NO.

| | | | | | |
|-------------|---|--------------|------------------|-------------|-----------------|
| HOW SHIPPED | | DATE SHIPPED | QUANTITY SHIPPED | TERMS | |
| | | | | Net 10 Days | |
| QUANTITY | DESCRIPTION | | | PRICE | TOTAL |
| 3/20/73 | ONE LOAD WASTE SOLVENT PUMPED AND DISPOSED OF | | | | <u>\$130.00</u> |

Engine M Powers
5-1-73 OK



Engine M. Powers
4-1-73 OK





Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

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SIGMA CHEMICAL COMPANY
3500 DEKALB
P.O. BOX 14508
ST. LOUIS, MO 63178

10/10
80
REC'D MAIL ROOM

20 AUG 1982

INVOICE NO. 6774

DATE 8/19/82

CUSTOMER'S
ORDER NO.

A Service Charge of 1 1/2% per month will be made on a
past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--------------|------------------|----------------|
| | JULY, 1982 | 18,202 GALS. | NET ON RECEIPT |

| QUANTITY | DESCRIPTION | PRICE | TOTAL |
|----------|--|-------|------------|
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF JULY, 1982 | | \$7,792.11 |

| CHECK | DATE | INT. |
|-----------------|--------|------|
| QTY. PRICE EXT. | 8/23 | NAK |
| REC'D. SHIPPING | | |
| CUSTOMER FORM | | |
| INV. APPROVAL | | |
| DISC. AMT. | | |
| DATE DUE | 9-19 | |
| SPLIT # | | |
| ACCOUNT NO. | 05020C | |
| PROJECT NO. | | |

Suggested Billing Form for Clayton Chemical Co.

Charges for operation of the distillation system

To Sigma Chemical Company:

During the month of JULY, 1982, Sigma Chemical Company operated the distillation system as follows:

1. On the following dates: 7/2, 7/8, 7/9, 7/12, 7/13, 7/14, 7/15, 7/16, 7/19, 7/20, 7/21, 7/22, 7/24, 7/28, 7/29, 7/30, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 17. The charge is \$240.00 per shift. The total is 17 x \$240 = \$ 4080.00.
** DOUBLE SHIFT * 2 DAY*
2. On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416 per shift. The total is _____ x \$416 = \$ _____.

| 3. On | Date | Gallons of product shipped from Clayton | | |
|-------|----------------|---|-------------|-------|
| | | Acetone | SIS | Other |
| | <u>7/13/82</u> | <u>6000</u> | | |
| | <u>7/16/82</u> | | <u>6479</u> | |
| | <u>7/28/82</u> | | <u>5723</u> | |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |

ran thru a second time we already had found 138 previously

Total gallons acetone 6000 x .09 *was 138* cents per gal. = \$ 540.00 *LM says this was special because it is reworked material LM mkt 8-7*

Total Gal. SIS 12,202 x 26 cents per gal. = \$ 3172.52

Total gal. other _____ x _____ cents per gal. = \$ _____

Total gallonage charges = \$ 3712.52

4. _____ hours of labor were supplied by Clayton @ ~~\$10.00~~ ^{\$15.00} per man hour. The total is _____ x \$15.00 = \$ _____.
5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.
6. Summary of above charges:
 Item 1. is \$ 4080.00 ✓
 Item 2. is \$ _____
 Item 3. is \$ 3712.52 ✓
 Item 4. is \$ _____
 Total is \$ 7792.52 ✓

S. H. 8/17/82

S/A-000026

The total billing for the month of JULY is \$ 7792.52



Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

REC'D MAIL ROOM

14 SEP 1983

S
O
L
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T
O

SIGMA CHEMICAL COMPANY
3500 DEKALB
P.O. BOX 14506
ST. LOUIS, MISSOURI 63178

10/110
00

INVOICE NO. 7209
DATE SEPT 12, 1983
CUSTOMER'S ORDER NO. NONE

A Service Charge of 1 1/4% per month will be made on all past due accounts. — Annual percentage rate 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--------------|------------------|----------------|
| | | | NET ON RECEIPT |

| QUANTITY | DESCRIPTION | PRICE | TOTAL |
|----------|---|-------|-------------|
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF AUGUST, 1983 | | \$10,599.36 |

| CHECK | DATE | INT. |
|-----------------|--------|------|
| QTY. PRICE EXT. | | |
| RECD. SHIPMENT | | |
| CUSTOMS FORM | | |
| INT. APPROVAL | | |
| DISC. AMT. | | |
| DATE DUE | 9-22 | |
| SPLIT # | | |
| ACCOUNT NO. | 05020C | |
| PROJECT NO. | | |

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation system

To Sigma Chemical Company:

During the month of August, 1983. ~~Sigma Chemical~~ Company operated the distillation system as follows:

8/22, 8/23*, 8/24, 8/25, 8/26, 8/28, 8/30, 8/31

1. On the following dates 8/1, 8/2, 8/3, 8/4, 8/5, 8/8, 8/9, 8/10, 8/11, 8/12, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 17.5. The charge is \$240.00 per shift. This total is 17.5 x \$240. = \$ 4200.

2. * Operated only 1/2 day on 8/23 because the well pump was inoperable. On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

3. Gallons of product shipped from Clayton

| On | Date | Acetone | SIS | Other |
|----|-------------|-------------|-------------|-------|
| | <u>8/2</u> | _____ | <u>6682</u> | _____ |
| | <u>8/9</u> | _____ | <u>5527</u> | _____ |
| | <u>8/24</u> | _____ | <u>6289</u> | _____ |
| | <u>8/31</u> | <u>3000</u> | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |

Total gallons acetone 3000 x 16cents per gal. = \$ 480.00 ✓Total gal SIS 18,498 x 32 cents per gal. = \$ 5919.36 ✓

Total gal other _____ x _____ cents per gal. = \$ _____

Total gallonage charges = \$ 6399.36 ✓

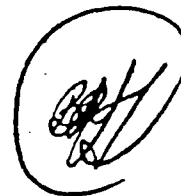
4. _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.

5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.

6. Summary of above charges:

Item 1. is \$ 4200.00 ✓
 Item 2. is \$ 6399.36 ✓
 Item 3. is \$ _____
 Item 4. is \$ _____
 Total is \$ 10,599.36 ✓

S. M. 9/8/83


The total billing for the month of August is \$ 10,599.36.



Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

JAN 11 1984

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SIGMA CHEMICAL COMPANY
3500 DEKALB
P.O. BOX 14506
ST. LOUIS, MISSOURI 63178

10110
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INVOICE NO. 41
DATE JAN. 6, 1984
CUSTOMER'S ORDER NO.

No P.O.

A Service Charge of 1 1/2% per month will be made on past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | | DATE SHIPPED | QUANTITY SHIPPED | TERMS NET ON RECEIPT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|------------------|-------------------------|---------|-------|------|------|----------------|--|--|----------------|--|--|--------------|--|--|----------|--|--|------------|--|--|----------|------|--|--------|--|--|------------|--------|--|---------|--|--|
| QUANTITY | DESCRIPTION | | | PRICE | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF NOVEMBER AND DECEMBER, 1983 | | | | \$1,400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>CHECK</td><td>DATE</td><td>INT.</td></tr><tr><td>TY. PRICE EXT.</td><td></td><td></td></tr><tr><td>PROD. SUPPLANT</td><td></td><td></td></tr><tr><td>CUSTOMS FORM</td><td></td><td></td></tr><tr><td>APPROVAL</td><td></td><td></td></tr><tr><td>DISC. AMT.</td><td></td><td></td></tr><tr><td>DATE DUE</td><td>1-15</td><td></td></tr><tr><td>PAID #</td><td></td><td></td></tr><tr><td>AMOUNT NO.</td><td>050200</td><td></td></tr><tr><td>CO. NO.</td><td></td><td></td></tr></table> | | | | | | CHECK | DATE | INT. | TY. PRICE EXT. | | | PROD. SUPPLANT | | | CUSTOMS FORM | | | APPROVAL | | | DISC. AMT. | | | DATE DUE | 1-15 | | PAID # | | | AMOUNT NO. | 050200 | | CO. NO. | | |
| CHECK | DATE | INT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TY. PRICE EXT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROD. SUPPLANT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMS FORM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISC. AMT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE DUE | 1-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAID # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMOUNT NO. | 050200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO. NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

520

Charges for operation of the distillation system

November, December

1. On the following dates 11/1 and 50% of 11/2, 11/22 and 11/23, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 2 1/2. The charge is \$240.00 per shift. This total is 2 1/2 x \$240. = \$ 600.00 ✓

2. On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____

[illegible]

Total gallonage charges = \$ _____.

4. hours of labor were supplied by Clayton @ \$15.00 per man hour. The
total is x \$15.00 = \$.

5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was . The total is . x \$60.00 = \$

| | | |
|------------|------------|---|
| Item 1. is | \$ 600.00 | ✓ |
| Item 2. is | \$ | |
| Item 3. is | \$ 800.00 | ✓ |
| Item 4. is | \$ | |
| Total is | \$ 1400.00 | ✓ |

S. M.
1/4/84

no touch manifest on this lead

LM/vf. 08-03-83.

S/A-000030



Clayton Chemical Co. ^{MAY 17 1984}

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

S
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SIGMA CHEMICAL COMPANY
3500 DEKALB
P.O. BOX 14506
ST. LOUIS, MISSOURI 63178

10110
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No PO

INVOICE NO. 213
DATE MAY 16, 1984
CUSTOMER'S ORDER NO.

A Service Charge of 1 1/2% per month will be made on all past due accounts. — Annual percentage rate - 18%.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------------|----------------|----------|---------|--|---------|--|---------|--|---------|--|---------|--|---------|--|---------|--|---------|--|---------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|-----------|--|--|--|
| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | NET ON RECEIPT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| QUANTITY | DESCRIPTION | | PRICE | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF APRIL, 1984 | | | \$3,920. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DATE | INT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 20. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 22. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 34. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 41. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 79. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80. P. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation system

To Sigma Chemical Company:

During the month of April, 1984, Sigma Chemical Company operated the distillation system as follows:

1. On the following dates 4/2, 4/3, 4/4, 4/6, 4/10, 4/11, 4/12, 4/18, 4/19, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 13. The charge is \$240.00 per shift. This total is 13 x \$240. = \$ 3120.00.
2. On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

| On | Gallons of product shipped from Clayton | | |
|----|---|-------------|--|
| | Date | Acetone | SIS Other |
| | <u>4/25</u> | <u>5000</u> | <u>- No shipping papers for this mat'l - L.M. D.W.</u> |
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |

Total gallons acetone 5000 x 16cents per gal. = \$ 800.00

Total gal SIS _____ x 32 cents per gal. = \$ _____

Total gal other _____ x _____ cents per gal. = \$ _____

Total gallonage charges = \$ 800.00.

4. _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.
5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.
6. Summary of above charges:

Item 1. is \$ 3120.00 ✓
 Item 2. is \$ _____
 Item 3. is \$ 800.00 ✓
 Item 4. is \$ 3920.00 ✓
 Total is \$ 3920.00 ✓

J.M.
 5/11/84

David L. Waters
 5/11/84

The total billing for the month of April is \$ 3920.00.



Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

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SIGMA CHEMICAL COMPANY
3500 DEKALB
P.O. BOX 14506
ST. LOUIS, MISSOURI 63178

12110
50

INVOICE NO. 243

DATE JUNE 6, 1984
CUSTOMER'S
ORDER NO.

no PO

A Service Charge of 1 1/2% per month will be made on all
past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--------------|------------------|-------|
|-------------|--------------|------------------|-------|

| QUANTITY | DESCRIPTION | PRICE | TOTAL | | | | | | | | | | | | | | | | | | | | |
|---------------|---|-------|------------|------|-----|---------------|--|---------------|--|----------|--|------------|--|----------|------|---------|--|-------------|--------|-------------|--|--|---------|
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF MAY 1984 | | \$8,235.04 | | | | | | | | | | | | | | | | | | | | |
| | \$8,235.04 H CK | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>DATE</td><td>INT.</td></tr><tr><td>6/12</td><td>NAK</td></tr><tr><td>REC. S. M. NT</td><td></td></tr><tr><td>CUSTOMER FORM</td><td></td></tr><tr><td>APPROVAL</td><td></td></tr><tr><td>DISC. AMT.</td><td></td></tr><tr><td>DATE DUE</td><td>7-06</td></tr><tr><td>SPLIT #</td><td></td></tr><tr><td>ACCOUNT NO.</td><td>050200</td></tr><tr><td>PROJECT NO.</td><td></td></tr></table> | DATE | INT. | 6/12 | NAK | REC. S. M. NT | | CUSTOMER FORM | | APPROVAL | | DISC. AMT. | | DATE DUE | 7-06 | SPLIT # | | ACCOUNT NO. | 050200 | PROJECT NO. | | | 8235.04 |
| DATE | INT. | | | | | | | | | | | | | | | | | | | | | | |
| 6/12 | NAK | | | | | | | | | | | | | | | | | | | | | | |
| REC. S. M. NT | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER FORM | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVAL | | | | | | | | | | | | | | | | | | | | | | | |
| DISC. AMT. | | | | | | | | | | | | | | | | | | | | | | | |
| DATE DUE | 7-06 | | | | | | | | | | | | | | | | | | | | | | |
| SPLIT # | | | | | | | | | | | | | | | | | | | | | | | |
| ACCOUNT NO. | 050200 | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT NO. | | | | | | | | | | | | | | | | | | | | | | | |

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation ~~unit~~

To Sigma Chemical Company:

During the month of May, 1984, ~~Sigma Chemical Company~~ operated the distillation system as follows:

- 5/16, 5/17, 5/18, 5/21, 5/22, 5/23, 5/24, 5/25, 5/30, 5/31, 29.
- On the following dates 5/1, 5/2, 5/4, 5/7, 5/8, 5/9, 5/10, 5/14, 5/15, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 20. The charge is \$240.00 per shift. This total is 20 x \$240. = \$ 4800.00.
 - On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

| 3. Gallons of product shipped from Clayton | | | | |
|---|---------|-----------------|------|-------|
| On | Date | Acetone | SIS | Other |
| * | 5/3/84 | 2000 | | |
| * | 5/10/84 | 1000 | | |
| | 5/14/84 | 5099 | | |
| | 5/22/84 | 2000 | 5435 | |
| * | 5/23/84 | 2500 | | |
| Total gallons acetone <u>10,599</u> x 16 cents per gal. = \$ <u>1695.84</u> ✓ | | | | |
| Total gal SIS <u>5435</u> x 32 cents per gal. = \$ <u>1739.20</u> ✓ | | | | |
| Total gal other _____ x _____ cents per gal. = \$ _____ | | | | |
| Total gallonage charges = \$ <u>3435.04</u> ✓ | | | | |

- _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.
- Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.
- Summary of above charges:

Item 1. is \$ 4800.00 ✓
 Item 2. is \$ _____
 Item 3. is \$ 3435.04 ✓
 Item 4. is \$ _____
 Total is \$ 8235.04 ✓

S.M. 6/4/84
 Dave Watkins 6/4/84

The total billing for the month of May is \$ 8235.04

S/A-000034

LM/vf 08-03-83

* PICKUPS (SALES) FROM CLAYTON CHEM. CO.



Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

FEB 20 1985

FEB 20 1985

INVOICE NO. 644

DATE FEB. 15, 1985

CUSTOMER'S
ORDER NO.
NO 70#

S
O
L
D
T
O

ATTN: MARYANN
SIGMA CHEMICAL COMPANY
P.O. BOX 14506
ST. LOUIS, MO 63178

A Service Charge of 1 1/2% per month will be made on a
past due accounts. — Annual percentage rate - 18%.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|--|-------|------------|------|---------------|------|-----|-----|--|--|-----|--|--|---------------|--|--|-----|--|--|-----|------|--|-----|--|--|-------------|--------|--|-------------|--|--|--|--|
| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| QUANTITY | DESCRIPTION | | PRICE | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF JANUARY, 1985 | | \$2,352.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><td>CHECK</td><td>DATE</td><td>INT.</td></tr><tr><td>Y. PRICE INT.</td><td>2/26</td><td>MAR</td></tr><tr><td>...</td><td></td><td></td></tr><tr><td>...</td><td></td><td></td></tr><tr><td>INT. APPROVAL</td><td></td><td></td></tr><tr><td>...</td><td></td><td></td></tr><tr><td>...</td><td>3-15</td><td></td></tr><tr><td>...</td><td></td><td></td></tr><tr><td>ACCOUNT NO.</td><td>05020C</td><td></td></tr><tr><td>PROJECT NO.</td><td></td><td></td></tr></table> | CHECK | DATE | INT. | Y. PRICE INT. | 2/26 | MAR | ... | | | ... | | | INT. APPROVAL | | | ... | | | ... | 3-15 | | ... | | | ACCOUNT NO. | 05020C | | PROJECT NO. | | | | |
| CHECK | DATE | INT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y. PRICE INT. | 2/26 | MAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT. APPROVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ... | 3-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCOUNT NO. | 05020C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

S/A-000035

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation ~~system~~

To Sigma Chemical Company:

During the month of JANUARY, 1985, Sigma Chemical Company operated the distillation system as follows:

- On the following dates 1/7, 1/8, 1/9, 1/17, 1/18, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 5. The charge is \$240.00 per shift. This total is 5 x \$240. = \$ 1200.00.
- On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

| On | Date | Acetone | SIS | Other |
|----|----------------|-------------|-----|-------|
| | <u>1/22/85</u> | <u>5606</u> | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Total gallons acetone 5606 x 16cents per gal. = \$ 896.96 ✓

Total gal SIS _____ x 32 cents per gal. = \$ _____

Total gal other 640 x 40 cents per gal. = \$ 256.00 ✓

Total gallonage charges = \$ 1152.96.

- _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.
- Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.
- Summary of above charges:

Item 1. is \$ 1200.00.
 Item 2. is \$ 1152.96.
 Item 3. is \$ 256.00.
 Item 4. is \$ _____.
 Total is \$ 2352.96.

The total billing for the month of JANUARY is \$ 2352.96 ✓

S.M. 2/12/85



Clayton Chemical Co.

10 South Brentwood Blvd., Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

REC ACCOUNTING

22 MAR 1985

S
O
L
D
T
O

ATTN: MARYANN
SIGMA CHEMICAL COMPANY
P.O. BOX 14506
ST. LOUIS, MO 63188

10/1/80

INVOICE NO. 678

DATE MARCH 18, 1985

CUSTOMER'S
ORDER NO.

A Service Charge of 1 1/2% per month will be made on a
past due accounts. — Annual percentage rate - 18%.

PO

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------------|----------|------|------|-------|--|--|----------|--|--|----------|--|--|----------|------|--|---------|--|--|-------------|----------|--|-------------|--|--|
| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS | | | | | | | | | | | | | | | | | | | | | | | |
| QUANTITY | DESCRIPTION | | PRICE | | | | | | | | | | | | | | | | | | | | | | | |
| | SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF FEBRUARY, 1985 | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | |
| | | | \$3,214. | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>CHECK</td><td>DATE</td><td>INT.</td></tr><tr><td>PAYEE</td><td></td><td></td></tr><tr><td>DATE FOR</td><td></td><td></td></tr><tr><td>APPROVAL</td><td></td><td></td></tr><tr><td>DATE DUE</td><td>4-18</td><td></td></tr><tr><td>SPLIT #</td><td></td><td></td></tr><tr><td>ACCOUNT NO.</td><td>050.2.0C</td><td></td></tr><tr><td>PROJECT NO.</td><td></td><td></td></tr></table> | | CHECK | DATE | INT. | PAYEE | | | DATE FOR | | | APPROVAL | | | DATE DUE | 4-18 | | SPLIT # | | | ACCOUNT NO. | 050.2.0C | | PROJECT NO. | | |
| CHECK | DATE | INT. | | | | | | | | | | | | | | | | | | | | | | | | |
| PAYEE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE FOR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVAL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE DUE | 4-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPLIT # | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCOUNT NO. | 050.2.0C | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT NO. | | | | | | | | | | | | | | | | | | | | | | | | | | |

Charges for operation of the distillation system

To Sigma Chemical Company:

During the month of February, 1985, ~~Sigma Chemical Company~~ Sigma Chemical Company operated the distillation system as follows:

- On the following dates 2/20, 2/21, 2/22, 2/25, 2/26, 2/27, 2/28, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 7. The charge is \$240.00 per shift. This total is 7 x \$240. = \$ 1680.00 ✓
- On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

| On | Gallons of product shipped from Clayton | | | |
|----|---|-------------|-------|-------|
| | Date | Acetone | SIS | Other |
| | <u>2/27/85</u> | <u>6589</u> | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |
| | _____ | _____ | _____ | _____ |

Total gallons acetone 6589 x 16cents per gal. = \$ 1054.24 ✓

Total gal SIS _____ x 32 cents per gal. = \$ _____


Total gal other 1200 x 40 cents per gal. = \$ 480.00 ✓

Total gallonage charges = \$ 1534.24 ✓

- _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.
- Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.
- Summary of above charges:

Item 1. is \$ 1680.00
 Item 2. is \$ _____
 Item 3. is \$ 1534.24
 Item 4. is \$ _____
 Total is \$ 3214.24 ✓

S.M. 3/12/85

 3-13-85

The total billing for the month of February is \$ 3214.24



Clayton Chemical Co.

10 South Woodward Blvd. Clayton, Missouri 63105

(314) 726-6320 • (618) 271-0467

#1 mobile St.
Sauget, IL 62201

REC'D ACCOUNTING

17 APR 1985

10410
00

no Po

INVOICE NO. 716

DATE APRIL 12, 1985

CUSTOMER'S
ORDER NO.

SIGMA CHEMICAL
P.O. BOX 14506
ST. LOUIS, MO 63178
ATTN: MARYANN

A Service Charge of 1½% per month will be made on a
past due accounts. — Annual percentage rate - 18%.

HOW SHIPPED

DATE SHIPPED

QUANTITY SHIPPED

TERMS

QUANTITY

DESCRIPTION

PRICE

TOTAL

SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE
MONTH OF MARCH, 1985

| CHECK | DATE | INT. |
|----------------|--------|------|
| TY. PRICE EXT. | | |
| 22. S. P. R. | | |
| CUSTOMER FEE | | |
| NO. 10.1. AL | | |
| 0.00. AMT. | | |
| DA. DUE | 4-25 | |
| SP. IT. # | | |
| ACCOUNT NO. | 05020C | |
| PROJECT NO. | | |

1700 gal other?

\$8,816.6

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation system

To Sigma Chemical Company:

During the month of March, 1984, ~~Sigma Chemical Company~~ operated the distillation system as follows:

1. On the following dates 3/5, 3/8, 3/19, 3/21, 3/22, 3/29, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 16. The charge is \$240.00 per shift. This total is 16 x \$240. = \$ 3840.00 ✓

2. On the following dates: _____, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was _____. The charge is \$416.00 per shift. The total is _____ x \$416. = \$ _____.

| On | Date | Acetone | SIS | Other |
|----|----------------|-------------|-------------|----------------------|
| | <u>3/7/85</u> | <u>6027</u> | | |
| | <u>3/12/85</u> | | <u>3619</u> | |
| | <u>3/20/85</u> | | <u>6795</u> | <u>6.71 1/2 gal.</u> |
| | | | | |
| | | | | |
| | | | | |

Total gallons acetone 6027 x 16cents per gal. = \$ 964.32 ✓

Total gal SIS 10,414 ✓ x 32 cents per gal. = \$ 3332.48 ✓

Total gal other 1700 x 40 cents per gal. = \$ 680.00 ✓

Total gallonage charges = \$ ~~4296.80~~ \$ 4976.80


4. _____ hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is _____ x \$15.00 = \$ _____.

5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was _____. The total is _____ x \$60.00 = \$ _____.

6. Summary of above charges:

Item 1. is \$ 3840.00
 Item 2. is \$ ~~416.00~~
 Item 3. is \$ ~~680.00~~ 4976.80 ✓
 Item 4. is \$ _____
 Total is \$ 8816.80 ✓

S.M.
4/9/85

 4-10-85

The total billing for the month of March is \$ 8816.80.



1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

NET ACCOUNTING

OCT 24 1986

DATE OCTOBER 21, 1966

CUSTOMER'S
ORDER NO.

A Service Charge of 1½% per month will be made on all past due accounts. — Annual percentage rate - 18%.

SOLD TO

SIGMA CHEMICAL COMPANY
P.O. BOX 14506
ST. LOUIS, MO 63178
ATTN: MARYANN

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|---|--------------|------------------|-------------|
| (NO P.O.#) | | 10/10 / 00 | |
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| | DATE REC'D | | |
| | ENT'D BY | ccm | |
| | DISCOUNT | | |
| | DUE DATE | 11-21 | |
| | SPLIT CODE | | |
| | 050200 | | |
| | 050200 | | |
| | 0505 _____ | | |
| | 0507 _____ | | |
| | 0515 _____ | | |
| | (05020C) | | |
| SEE ATTACHED SHEET FOR TOTAL CHARGES FOR THE MONTH OF SEPTEMBER, 1966 | | | (19,470.72) |

S/A-000040

To Sigma Chemical Company:

During the month of September, 198 6, Sigma Chemical Company operated the distillation system as follows:

9/12

9/26, 9/29, 9/30.

1. On the following dates, 9/15, 9/16, 9/17, 9/18, 9/19, 9/22, 9/23, 9/24, 9/25, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 13. The charge is \$240.00 per shift. This total is 13 x \$240.00 = \$ 3120.00 ✓

atoms
processing

2. On the following dates: 9/9, 9/10, 9/11, the distillation system was operated beyond normal business hours. The total number of shifts beyond normal business hours was 3. The charge is ~~\$360.00~~ per shift. The total is 3 x ~~\$360.00~~ = \$ 1080.00 ✓
360.00 \$360.

3. Gallons of product shipped from Clayton

| On | Date | Acetone | SIS | Other |
|----|-------------------|-------------------|-------------------|-------------------|
| | <u>9/11/86</u> | <u> </u> | <u>5048</u> | <u> </u> |
| | <u>9/16/86</u> | <u> </u> | <u>6149</u> | <u> </u> |
| | <u>9/25/86</u> | <u> </u> | <u>5274</u> | <u> </u> |
| | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Total gallons acetone x 16cents per gal. = \$

Total gal SIS 16,471 x 32 cents per gal. = \$ 5270.72

Total gal other x cents per gal. = \$

Total gallonage charges = \$ 5270.72 ✓

4. hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is x \$15.00 = \$.

5. Charges for additional processing time @ \$60.00 per hour. The total number of hours was . The total is x \$60.00 = \$.

6. Summary of above charges:

Item 1. is \$ 3120.00
Item 2. is \$ 1080.00
Item 3. is \$ 5270.72
Item 4. is \$
Total is \$ 9470.72 ✓

D.M. 10/26/86

The total billing for the month of September is \$ 9470.72.

LM/vf 08-03-83

Dave W. Jones
10/26/86

S/A-000041

Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

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SIGMA CHEMICAL CO.
3500 DEKALB ST.
ST. LOUIS, MO 63118
attn: L. MERRIWEATHER

10110

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(NO P.O.#

INVOICE NO. 3021

63021

DATE NOVEMBER 7, 1966

NOVEMBER 7, 1966

CUSTOMER'S
ORDER NO.

A Service Charge of 1½% per month will be made on all past due accounts. — Annual percentage rate - 18%.

[illegible]



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

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SIGMA CHEMICAL
3500 DEKALB ST.
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER

*10110
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INVOICE NO. **3029**

DATE: **NOVEMBER 13, 1986**

| | |
|------------|----------|
| DATE REC'D | 12-6-86 |
| ENT'D BY | |
| DISCOUNT | |
| DUPLICATE | |
| SPLIT DATE | 12-10-86 |
| SPLIT CODE | 1 |
| 050200 | |
| 050200 | |
| 0505 | |
| 0507 | |
| 0515 | |
| acct | 052300 |

A Service Charge of 1 1/2% per month will be made on all past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY | DESCRIPTION | PRICE | TOTAL |
|-------------|--------------|-----------|--|-------|---|
| SCHIEBER | 11/10/86 | 6500 GALS | DISPOSAL OF 6500 GALLONS OF SPENT SOLVENT @ \$.50/GAL SCHIEBER FREIGHT (11/10/86) | | \$3,250.00 271.98 \$3,521.98 |

*Invoice Approved
L. Merriweather 11/28/86*

S/A-000043



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

no PO

10/110
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SIGMA CHEMICAL CO.
3500 DEKALB ST.
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER

| | |
|------------------|----------------|
| DATE REC'D | <i>12/6/86</i> |
| ENT'D BY | |
| DISCOUNT | |
| DUE DATE | <i>12-10</i> |
| QUANTITY SHIPPED | <i>0</i> |
| PRICE | |
| TOTAL | |
| amt | <i>052300</i> |

INVOICE NO. **3051**

DATE **NOVEMBER 24, 1986**

CUSTOMER'S ORDER NO.

A Service Charge of 1 1/2% per month will be made on all past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--|--------------|-------------------|----------------|
| SCHIBER | | 11/20/86 | 0 | NET ON RECEIPT |
| QUANTITY | DESCRIPTION | PRICE | TOTAL | |
| | DISPOSAL OF 6500 GALLONS OF SPENT SOLVENT @ \$.50/GAL. | | \$3,250.00 | |
| | SCHIBER FREIGHT IN (11/20/86) | | 210.16 | |
| | | | \$3,460.16 | |

amount approved
S.M. 12/2/86



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

RECEIVED
DEC 22 1986

INVOICE NO. **3095**
DATE **DECEMBER 16, 1986**
CUSTOMER'S ORDER NO.

S
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SIGMA CHEMICAL COMPANY
P.O. BOX 14506
ST. LOUIS, MO 63178
ATTN: MARYANN

NO P.O.

| | | | |
|--------------|----------|------------------|--|
| 10110 | | 100 | |
| DATE REC'D | | | |
| INVO 57 | | cern | |
| DATE SHIPPED | 12/16/86 | QUANTITY SHIPPED | |
| DESCRIPTION | | | |
| SPLIT CODE | | | |
| Due date | | 01-16 | |
| 050200 | | | |
| 0507 | | | |
| 3515 | | | |
| 050200 | | | |

A Service Charge of 1½% per month will be made on all past due accounts. — Annual percentage rate - 18%.

| | | | | | |
|--|-------------|--------------|------------------|-------|------------|
| HOW SHIPPED | | DATE SHIPPED | QUANTITY SHIPPED | TERMS | |
| QUANTITY | DESCRIPTION | | | PRICE | TOTAL |
| | | SPLIT 832E | | | |
| | | Due date | 01-16 | | |
| | | 050200 | | | |
| SEE ATTACHED SHEET FOR TOTAL CHARGES FOR THE MONTHS OF OCTOBER AND NOVEMBER 1986 | | 0000 | | | \$2,556.16 |
| | | 0807 | | | |
| | | 3515 | | | |
| | | 050200 | | | |



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201

(618) 271-0467

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SIGMA CHEMICAL CO.
3500 DEKALB ST.
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER

10110
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NO PO

INVOICE NO. 3131

DATE JANUARY 14, 1987

CUSTOMER'S
ORDER NO.

A Service Charge of 1½% per month will be made on all
past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | PRICE | TOTAL |
|-------------|---|------------------|------------------------------------|-------|
| SCHIEBER | 1/8/87 | 6000 GALS | | |
| QUANTITY | DESCRIPTION | PRICE | TOTAL | |
| | DISPOSAL OF 6000 GALLONS OF SPENT SOLVENT @ \$.50/GAL. SCHIEBER FREIGHT IN (01/08/87) MO-02935-00152/IL 1812808 | | \$3,000.00 210.16 \$3,210.16 | |
| | 4/10/87 | | | |
| | 1/21/87 | | | |
| | Acc't | 052300 | | |

JAN 16 1987



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

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SIGMA CHEMICAL CO.
P.O. BOX 14506
ST. LOUIS, MO 63178
ATTN: MARYANN

| | |
|----------|-------|
| 10110 | 1 00 |
| | ccm |
| DUE DATE | 02-14 |

INVOICE NO. 3139
DATE JANUARY 14, 1987
CUSTOMER'S ORDER NO.

A Service Charge of 1 1/2% per month will be made on all past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|---|---------------|------------------|-------------------|
| <u>NO P.O.#</u> | | | |
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| | <u>05020C</u> | | |
| SEE ATTACHED SHEET FOR TOTAL CHARGES FOR THE MONTH OF DECEMBER 1986 | | | <u>\$1,914.24</u> |
| LM 1-16 | | | |

RECEIVED
JAN 16 1987



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201
(618) 271-0467

FEB 17 '87 FAS

10110

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SIGMA CHEMICAL COMPANY
3500 DEKALB STREET
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER

NO P.O.
Due 3/2
Split

INVOICE NO. 3197

DATE JANUARY 30, 1987

CUSTOMER'S
ORDER NO.

A Service Charge of 1½% per month will be made on all
past due accounts. — Annual percentage rate - 18%.

| | | | | |
|---|--------------|------------------|-------|------------|
| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS | |
| QUANTITY | DESCRIPTION | | PRICE | TOTAL |
| BILL FOR SERVICES RENDERED BY WILBUR WAGGONER AND PAID BY CLAYTON CHEMICAL COMPANY | | | | \$1,266.50 |
| Project # 1076-1133 A/C 022000 PROJ. # 10761133 ok to pay FAS 2-25-87 Make check payable to Clayton Chemical Company | | | | |

NEW ACCOUNTING
FEB 1987

S/A-000048



Clayton Chemical Co.

1 Mobile Avenue • Souget, Illinois 62201
(618) 277-1111

10110
00

INVOICE NO. 3175

DATE JANUARY 30, 1987

CUSTOMER'S
ORDER NO.

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SIGMA CHEMICAL COMPANY
3500 DEKALB STREET
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER

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A Service Charge of 1 1/4% per month will be made on all
past due accounts. — Annual percentage rate - 18%.

| HOW SHIPPED | DATE SHIPPED | QUANTITY SHIPPED | TERMS |
|-------------|--|------------------|----------------|
| SOLVENT | 01/22/87 | 6000 GALS. | NET ON RECEIPT |
| QUANTITY | DESCRIPTION | PRICE | TOTAL |
| | DISPOSAL OF 6000 GALLONS OF SPENT SOLVENT @ \$.50/GAL. SOLVENT FREIGHT IN (01/22/87) MO-02435-00157 | | \$3,000.00 |
| | | | 148.35 |
| | | | \$3,148.35 |

DISPOSAL DATE INIT.

QTY. PRICE EXT.

RECD. SHIPMENT 2/25 Karen

CUSTOMS FORM

INV. APPROVAL

DISC. AMT.

DATE DUE 2-28

SPLIT # 0

ACCOUNT NO. 052300

PRINCI NO.

Invoice Approved
J. M. 2/18/87

SIGMA[®]

CHEMICAL COMPANY

MAILING ADDRESS AND INVOICE TO:
P.O. BOX 14508, ST. LOUIS, MO 63178 U.S.A.
ATTN: ACCOUNTS PAYABLE (314) 771-5765

PURCHASE ORDER NO.

E 76093

M

IMPORTANT

PURCHASE ORDER NUMBER AND PART NUMBER
MUST APPEAR ON ALL CORRESPONDENCE, IN-
VOICES, PACKAGES AND SHIPPING PAPERS.

VENDOR:

Clayton Chemical Co.

DATE 4-16-87

☐ ORDER

☐ CONFIRMATION

SHIP TO:

SIGMA CHEMICAL CO.
3300 Delcath Street
St. Louis, MO 63118

ATTN: P. Tafra/R. Eckerd

DOOR:

DELIVERY DATE

VIA

TERMS

F.O.B.

| CODE | QTY. | UNIT | DESCRIPTION | PRICES | EXT. |
|--------------|------|------|---|--------|------|
| MSDS INFO | | | <p><u>Charge to Code 1076-1514</u></p> <p>Firm bid price to perform miscellaneous piping duties as designated by Sigma.</p> <p>FIRM BID PRICE \$1,620.00 ✓</p> <p>INV: 3240 2-28</p> <p>CONFIRMATION — TELEPHONE — DO NOT DUPLICATE</p> | | |

INSTRUCTIONS: CHECK ONE BOX & ANSWER QUESTIONS UNDER BOX CHECKED

- ☐ Machinery or Equipment
 - Used Directly In Production? YES ☐ NO ☐
 - Purchased for Expansion or Process Change YES ☐ NO ☐
- ☐ Purchase is an Ingredient or Component Part of Product for Resale.
- ☐ Purchase is Packaging Material (Including Labels & Inserts)
- ☐ Supplies

Are Supplies Used in Production? YES ☐ NO ☐

Give Description:

SIGMA CHEMICAL COMPANY (2480)

PURCHASING AGENT

THOMAS R. ECKERD

DATE

3/18/87



Clayton Chemical Co.

MAR 11 '87 EAS

SOLD TO

to RGC PO
for per
F.S.
3-13

PROJECT 1016

10110
00

INVOICE NO. 3240

DATE FEB, 28, 1987

CUSTOMER'S
ORDER NO.

SIGMA CHEMICAL COMPANY
3500 DEKALB STREET
ST. LOUIS, MO 63118
ATTN: L. MERRIWEATHER/FRED SHAFSTALL

A Service Charge of 1 1/2% per month will be made on all
past due accounts. — Annual percentage rate - 18%.

76093 P.

HOW SHIPPED DATE SHIPPED QUANTITY SHIPPED TERMS

| QUANTITY | DESCRIPTION | DATE | UNIT | PRICE | TOTAL |
|----------|---|-----------------------|-------|-------|-------|
| | Work/labor supplied by CCC on the Sigma project up to March 1, 1987. | | | | |
| 3 hrs. | (1 1/2 hrs. X 2 workers) cut and weld pipe on tanks | PRICE EXT. 3-18 | Karen | | |
| 5 hrs. | (2 1/2 hrs X 2 workers) put ladders on two tanks and set new tanks in place. | REC'D SHIPMENT | | | |
| 10 hrs. | (5 hrs X 2 workers) install ladders & weld pipe. | CUSTOMERS FORM | | | |
| 18 hrs. | (6hrs. X 3 workers) remove old tanks and set new tanks in place and clean area. | INV. APPROVAL | | | |
| 8 hrs. | (4 hrs X 2 workers) pipe work. | DISC. AMT. | | | |
| 3 hrs. | (3 hrs X 1 worker) install handrails on tanks. | DATE DUE 3-20 | | | |
| 14 hrs. | (7 hrs. X 2 workers) set pumps & piping. | SPLIT # 0 | | | |
| 2 hrs. | (2 hrs X 1 worker) install valves. | ACCOUNT NO. 022000 | | | |
| 7 hrs. | (7 hrs X 1 worker) piping. | PROJECT NO. 1076 1514 | | | |
| 14 hrs. | (7 hrs X 2 workers) piping. | | | | |
| 14 hrs. | (7 hrs X 2 workers) piping | | | | |
| 8 hrs. | (4 hrs X 2 workers) piping & steps. | | | | |
| 2 hrs. | (2 hrs X 1 worker) install valves | | | | |
| 38 hrs. | X \$15.00/hour = | \$1,620.00 | | | |

S/A-000051



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 | Manifest Document No. 0 0 4 5 8 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|------------------------------------|------------------------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different ST. LOUIS MO 63118-410 | | APR 07 RECD S G D | |
| 4. Generator's Phone (314) 771-5765 | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 8. US EPA ID Number | | | |
| 7. Transporter 2 Company Name | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 12. Containers No. Type | | 13. Total Quantity | 14. Unit Unit Wt/Vol |
| a. WASTE DENATURED ALCOHOL RQ 100/45.4 FLAMMABLE LIQUID NA 1986 | | 0.0.1 T.T | | 0.64.02 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO Generator IF NOT Deliverable AS ADDRESSED. (RETURN SIGNED MANIFEST TO: STEVE DOELGER 3500 Dekalb St./ST. LOUIS 63118) | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L. Hubbard | | Date Month Day Year 04 04 89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MICHAEL G. SCHIBER | | Signature Michael G. Schiber | | Date Month Day Year 04 04 89 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name MICHAEL G. SCHIBER | | Signature Michael G. Schiber | | Date Month Day Year 04 04 89 | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date Month Day Year 04 04 89 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000052



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

M O D 0 0 6 2 7 3 7 2 6 0 0 4 5 9

Manifest
Document No.2. Page 1
of 1.Information in the shaded areas is not
required by Federal law, but is required
by Illinois law.

3. Generator's Name and Mailing Address

SIGMA CHEMICAL CO.

Location If Different:

ATTN: STEVE DOELGER / 3500 DEKALB ST.

APR 13 RECD SGD

4. Generator's Phone (314)

771-5765

ST. LOUIS MO 63118-4103

5. Transporter 1 Company Name

SHIBER TRUCK COMPANY, INC.

6. US EPA ID Number

I L D 0 0 6 4 9 3 1 9 1

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

CLAYTON CHEMICAL CO.

#1 MOBILE AVENUE

SAUGET, IL 62201-1069

10. US EPA ID Number

I L D 0 6 6 9 1 8 3 2 7

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total

Quantity

14. Unit

Wt/Vol

a. WASTE DENATURED ALCOHOL RQ 100/45.4

FLAMMABLE LIQUID

NA 1986

0.0.1

T.T

057.00

1

b.

c.

d.

15. Special Handling Instructions and Additional Information

AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF NOT DENATURED
AS ADDRESSED. (RETURN SIGNED MANIFEST TO: STEVE DOELGER
3500 DEKALB ST. / ST. LOUIS MO 63118)16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway
according to applicable international and national government regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be
economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and
future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select
the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Michael L. Hubbard

Signature

Michael L. Hubbard

Date

04 05 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MICHAEL G. SCHIBER

Signature

Michael G. Schiber

Date

04 05 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Date

Printed/Typed Name

Timothy L. Ducey

Signature

Timothy L. Ducey

Month Day Year

04 05 89

This agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2, Section 21, that the information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner
or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management
Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000053



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 4 6 6 | Manifest Document No. 0 0 4 6 6 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|------------------------------------|---|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: ST. LOUIS MO 63118-4103 | | 4. Illinois Manifest Document Number 11-31330177 | |
| 4. Generator's Phone (314) 771-5765 | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | 5. Illinois Generator's ID 0 0 2 9 1 8 9 6 1 7 0 | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 8. US EPA ID Number | | 6. Illinois Transporter's ID 0 0 6 1 5 2 5 4 2 5 1 4 | |
| 7. Transporter 2 Company Name | | 10. US EPA ID Number | | 7. Illinois Transporter's ID 0 0 0 0 0 0 0 0 0 0 | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. Type | |
| | | | | 13. Total Quantity | |
| | | | | 14. Unit Wt/Vol | |
| a. WASTE DENATURED ALCOHOL RQ 100/45.4 | | | | | |
| b. FLAMMABLE LIQUID NA 1986 | | 0 0 1 T T | | 0 5 8 0 0 1 | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. AS ADDRESSED. (RETURN SIGNED MANIFEST TO STEVE DOELGER 3500 DEKALB ST./ST. LOUIS, MO. 63118) | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name Michael L. Hubbard | | Signature Michael L. Hubbard | | Date 0 4 0 6 8 9 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Printed/Typed Name Bob Ruyke | | Signature Bob Ruyke | |
| | | | | Date 0 4 0 6 8 9 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Printed/Typed Name | | Signature | |
| | | | | Date | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date 0 4 0 6 8 9 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000054



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|-----------------------|-----------------------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: ST. LOUIS MO 63118-410 | | | |
| 4. Generator's Phone (314) 771-5765 | | 6. US EPA ID Number | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 7. US EPA ID Number | | | |
| 8. Transporter 2 Company Name | | 9. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number | | | |
| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
| a. WASTE DENATURED ALCOHOL RQ 100/45.4 FLAMMABLE LIQUID NA 1986 | | 0-0-1 | T-T | 06.000 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE AS ADDRESSED. (RETURN SIGNED MANIFEST to: STEVE DOELGER 3500 Dekalb St / ST. LOUIS, MO 63118) | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L Hubbard | | Date 04-07-89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Printed/Typed Name MICHAEL A KLOPMEIER | | Signature Michael A. Klopmeier | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Printed/Typed Name | | Signature | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date 04-07-89 | |

The Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Fabrication of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000055



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 | Manifest Document No. 0 0 4 8 0 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|------------------------------------|-----------------------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST 314 771-5765 | | Location If Different: MAY 15 RECD S G D ST. LOUIS MO 63118-4100 | | | |
| 4. Generator's Phone | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | |
| 7. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 8. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MCBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit M/Vol |
| a. WASTE FLAMMABLE LIQUID N.O.S., RQ 100/45.4 (METHANOL/ALCOHOL) UN 1993 | | 0.01 | T.T. | 039.50 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF NOT DELIVERABLE AS ADDRESSED. | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name Michael L. Hubbard | | Signature Michael L. Hubbard | | Date 050589 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Printed/Typed Name Michael A. Klopmeier | | Signature Michael A. Klopmeier | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Printed/Typed Name | | Signature | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | Printed/Typed Name Sandy Helm | | Signature Sandy Helm | |
| | | | | Date 050589 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000056



CR REC'D MAY 15 1989

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS
AND SPECIAL WASTE.

State Form LPC 62 8/81 IL532-0610

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 4 8 1 | Manifest Document No. 0 0 4 8 1 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|------------------------------------|------------------------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. 314 771-5765 | | Location If Different: ST. LOUIS MO 63118-4100 | | MAY 15 RECD S G D IL 4027623 | |
| 4. Generator's Phone | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 8. US EPA ID Number | | | |
| 7. Transporter 2 Company Name | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. Type | 13. Total Quantity 14. Unit Wt/Vol |
| a. WASTE ACETONE (RQ 5000/2270) FLAMMABLE LIQUID UN1090 | | 0 0 1 T T | | 05.750 | I |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDETERMINABLE AS ADDRESSED. | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L. Hubbard | | Date Month Day Year 05 10 89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Printed/Typed Name Joe D. Robinson Jr. | | Signature Joe D. Robinson Jr. | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Printed/Typed Name | | Signature | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date Month Day Year 05 10 89 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000057



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0038, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. MOD 0 6 2 7 3 7 2 6 0 0 4 8 5 | | Manifest Document No. | | 2. Page 1 of 1. | | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
|--|--|---|--|-----------------------|--|-----------------|--|--|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: MAY 23 RECD S G D | | | | | | | |
| 4. Generator's Phone (314) 771-5765 | | ST. LOUIS MO 63118-410 | | | | | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers | | 13. Total Quantity | | 14. Unit | | | |
| a. WASTE ACETONE (RQ 5000/2270) | | No. Type | | Quantity | | Unit | | | |
| FLAMMABLE LIQUID UN1090 | | 0 0 1 T T | | 0 4 9 9 8 | | 1 | | | |
| b. | | | | | | | | | |
| c. | | | | | | | | | |
| d. | | | | | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE AS ADDRESSED. | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | |
| Printed/Typed Name | | Signature | | Date | | Month Day Year | | | |
| Michael L. HUBBARD | | Michael L. Hubbard | | 05/17/89 | | | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Signature | | Date | | Month Day Year | | | |
| Printed/Typed Name | | Signature | | Date | | Month Day Year | | | |
| Terry Bolin | | Terry Bolin | | 05/17/89 | | | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Signature | | Date | | Month Day Year | | | |
| Printed/Typed Name | | Signature | | Date | | Month Day Year | | | |
| 19. Discrepancy Indication Space | | | | | | | | | |
| 20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | Signature | | Date | | Month Day Year | | | |
| Printed/Typed Name | | Signature | | Date | | Month Day Year | | | |
| Sandy Helm | | Sandy Helm | | 05/17/89 | | | | | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000058



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 4 8 8 | Manifest Document No. 8 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|-------------------------|--------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. 4. Generator's Phone (314) 771-5765 | | Location If Different: ST. LOUIS MO 63118-4101 MAY 31 RECD S G D | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Unit Wt/Vol |
| a. WASTE FLAMMABLE LIQUID, N.O.S. RQ 100/45.4 (ACETONE/ALCOHOL) UN1993 | | 0.0.1 | T.T | 05,055 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE AS ADDRESSED. | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L. Hubbard | | Date 05/19/89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Signature Michael A. Klopmeier | | Date 05/19/89 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Signature | | Date | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date 05/19/89 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000059



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 | | Manifest Document No. 1 0 0 4 8 9 | | 2. Page 1 of 1. | | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
|--|--|---|--|---------------------------------------|--|--------------------|--|--|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. 314 771-5765 | | Location If Different ST. LOUIS MO 63118-4103 | | MAY 31 RECD SGD | | | | | |
| 4. Generator's Phone () | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | 8. US EPA ID Number | | | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | | | | | |
| 7. Transporter 2 Company Name | | | | | | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit WT/Vol | | | |
| a. WASTE ACETONE (RQ 5000/2270) FLAMMABLE LIQUID UN1090 | | 0 0 1 T T | | 0.6500 | | 1 | | | |
| b. | | | | | | | | | |
| c. | | | | | | | | | |
| d. | | | | | | | | | |
| 15. Special Handling Instructions and Additional Information REMOVE ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE AS ADDRESSED. | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L. Hubbard | | Date Month Day Year 0 5 2 3 8 9 | | | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name D. T. BUETTNER | | Signature D. T. Buettner | | Date Month Day Year 0 5 2 3 8 9 | | | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Date Month Day Year | | | | | |
| 19. Discrepancy Indication Space | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Sandy Helm | | Signature Sandy Helm | | Date Month Day Year 0 5 2 3 8 9 | | | | | |

This Agency is authorized to require, pursuant to Illinois Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000060

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0039, Expires 9-30-91

| | | | | | | | |
|--|--|---|--|--|------|--|----------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. MOD 006273726 | | 2. Page 1 of 1. | | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. JUN 07 RECD S G D | | | | Location If Different: ST. LOUIS MO 63118-410 | | | |
| 4. Generator's Phone (314) 771-5765 | | | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | | | 8. US EPA ID Number | | | |
| 7. Transporter 2 Company Name | | | | 10. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | 12. Containers | | 13. Total Quantity | 14. Unit |
| | | | | No. | Type | | Wt/Vol |
| a. WASTE FLAMMABLE LIQUID, N.O.S. RQ 100/45.4 FLAMMABLE LIQUID. (ACETONE/ALCOHOL) UN1993 | | | | 0.0.1 | T.T | 03,372 | 1 |
| b. | | | | | | | |
| c. | | | | | | | |
| d. | | | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE AS ADDRESSED. | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | | | Signature <i>Michael L. Hubbard</i> | | Date Month Day Year 06 05 89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | Signature <i>Jack Bairdridge</i> | | Date Month Day Year 06 05 89 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | Signature | | Date Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | | | |
| Printed/Typed Name Sandy Helm | | | | Signature <i>Sandy Helm</i> | | Date Month Day Year 06 05 89 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 1114, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000061



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
|--|--|---|-----------------------|-----------------------------------|--|------------------|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: JUN 23 RECD S G D | | | | |
| 4. Generator's Phone (314) 771-5765 | | ST. LOUIS MO 63118-4103 | | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | |
| a. WASTE FLAMMABLE LIQUID, N.O.S. (RQ 100/45.4) Flammable Liquid. ETHANOL MIXTURE UN 1993 | | 0-0-1 | T-T | 05,330 | 1 | |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDETERMINABLE AS ADDRESSED. | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name Michael L. HUBBARD | | Signature Michael L. Hubbard | | Date 06/13/89 | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Printed/Typed Name Michael A. Klopmeier | | Signature Michael A. Klopmeier | | Date 06/13/89 |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Printed/Typed Name | | Signature | | Date |
| 19. Discrepancy Indication Space | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | Printed/Typed Name EDWARD J. REIDY H. | | Signature Edward Reidy | | Date 06/13/89 |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000062



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 5 0 1 | Manifest Document No. 1 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|----------------------------|--------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: JUN 23 RECD SGD | | | |
| 4. Generator's Phone (314) 771-5765 | | ST. LOUIS MO 63118-4105 | | | |
| 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. | | 6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1 | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D 0 6 6 9 1 8 3 2 7 | | | |
| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Unit Wt/Vol |
| a. WASTE FLAMMABLE LIQUID N.O.S., RQ 100/45.4 (METHANOL/ALCOHOL) UN 1993 | | 0-0-1 | T-T | 04675 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE, AS ADDRESSED. | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name Kenneth E Conklin | | Signature Kenneth E Conklin | | Date 06/19/89 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Jim Schiber | | Signature Jim Schiber | | Date 06/19/89 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Date | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Tam Fenster | | Signature Tam Fenster | | Date 06/19/89 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR COPY

S/A-000063

In case of a spill call the Illinois Office of Emergency Response at 217/782-3637 and the National Response Center at 800/424-8802 or 202/426-2675



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 5 2 8 | Manifest Document No. 0 0 5 2 8 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
|--|--|---|------------------------------------|-----------------------|--|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. 4. Generator's Phone (314) 771-5765 ST. LOUIS MO 63118-4100 | | Location If Different: SEP 08 RECD S G D | | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number I L D O 6 6 9 1 8 3 2 7 | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | |
| a. WASTE ACETONE (RQ 5000/2270) FLAMMABLE LIQUID UN 1090 | | 0.0.1 | T.T | 03,795 | 1 | |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY ATTN: STEVE DOELGER 3500 DEKALB ST. ST. LOUIS MO 63118 | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name MICHAEL L. HUBBARD | | Signature Michael L. Hubbard | | Date 09/01/89 | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | Signature GERRY GEORGE | | Date 09/01/89 | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | Signature | | Date | | |
| 19. Discrepancy Indication Space | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | Signature Sandy Helm | | Date 09/01/89 | | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000064

In case of a spill call the Illinois Office of Emergency Response at 217/782-3001 and the National Response Center at 800/424-9302 or 202/426-2013.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1

Information in the shaded areas is not
required by Federal law, but is required
by Illinois law.

MOD 00627372600554

of 1.

3. Generator's Name and Mailing Address
SIGMA CHEMICAL CO.

Location If Different:

ATTN: STEVE DOELGER / 3500 DEKALB ST.

OCT 20 RECD S G D

4. Generator's Phone (314) 771-5765

ST. LOUIS MO 63118-4103

5. Transporter 1 Company Name
COMMERCIAL CARTAGE CO.6. US EPA ID Number
MOD 006491286

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
CLAYTON CHEMICAL CO.

10. US EPA ID Number

#1 MOBILE AVENUE

SAUGET, IL 62201-1069

ILD 066918327

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total

14. Unit

a. WASTE ACETONE (RQ 5000/2270)

No.

Type

Quantity

Wt/Vol

FLAMMABLE LIQUID

UN 1090

0.01

T.T.

0.5253

1

b.

c.

d.

15. Special Handling Instructions and Additional Information

AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE.

RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY

ATTN: STEVE DOELGER

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are true and accurately described above by
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway
according to applicable international and national government regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be
economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and
future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select
the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date
Month Day Year

MICHAEL L. HUBBARD

Michael L Hubbard

101689

17. Transporter 1 Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

LEE MARTIN

Lee Martin

101689

18. Transporter 2 Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Date

Printed/Typed Name

Signature

Month Day Year

Sandy Nappier

Sandy Nappier

101689

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner
or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management
Center

COPY 1. TSD MAIL TO GENERATOR

S/A-000065

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| | | | | | | | | | |
|--|--|---|--|------------------------------------|--|--------------------|--|--|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 0 0 5 8 1 | | Manifest Document No. 0 0 5 8 1 | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: JAN 15 RECD SGD | | | | | | | |
| 4. Generator's Phone (314) 771-5765 | | ST. LOUIS MO 63118-4100 | | | | | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | | | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUNGT, IL 62201-1069 | | 10. US EPA ID Number I I D 0 6 6 9 1 8 3 2 7 | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | 12. Containers | | 13. Total Quantity | | 14. Unit | |
| | | | | No. Type | | | | Unit Wt/Vol | |
| a. RQ, WASTE ACETONE, FLAMMABLE LIQUID UN 1090 | | | | 0 0 1 T T 0 6 1 2 2 | | | | | |
| b. | | | | | | | | | |
| c. | | | | | | | | | |
| d. | | | | | | | | | |
| 15. Special Handling Instructions and Additional Information 70 AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY ATTN: STEVE DOELGER / 3500 DEKALB / ST. LOUIS, MO 63118 | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | |
| Printed/Typed Name KENNETH E CONKLIN | | | | Signature Kenneth E Conklin | | | | Date 0 1 1 0 9 0 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | | | Date 0 1 1 0 9 0 | |
| Printed/Typed Name LOLD H. HARRELL | | | | Signature LOLD H. Harrell | | | | Date 0 1 1 0 9 0 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | | | Date | |
| Printed/Typed Name | | | | Signature | | | | Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | | | | | |
| Printed/Typed Name Sandy Pappier | | | | Signature Sandy Pappier | | | | Date 0 1 1 0 9 0 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000066

USE OF A SPIN COPIER OR OTHER MEANS TO REPRODUCE THIS FORM IS PROHIBITED. FOR INFORMATION ON THE NATIONAL RESPONSE CENTER AT 800/424-8802 OR 202/426-2675.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0038, Expires 8-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 | Manifest Document No. 0 0 6 0 5 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|------------------------------------|---|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: ST. LOUIS MO 63118-410 | | | |
| 4. Generator's Phone (314) 771-5765 | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 8. US EPA ID Number | | | |
| 7. Transporter 2 Company Name | | 10. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, WASTE ACETONE, FLAMMABLE LIQUID UN 1090 | | 12. Containers No. Type 0.0.1 T.T | 13. Total Quantity 0.6,2,6,2 |
| | | | | 14. Unit Wt/Vol 1 | |
| | | | | | |
| | | | | | |
| | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY ATTN: STEVE DOELGER / 3500 DEKALB ST / ST LOUIS, MO 63118 | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name KENNETH E CONKLIN | | Signature Kenneth E Conklin | | Date 03/01/90 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Steve Barton | | Signature Steve Barton | | Date 03/01/90 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Date | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Pam Fenster | | Signature Pam Fenster | | Date 03/01/90 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000067



NOTE: FORM DESIGNED TO PRINT 8 LINES PER INCH.

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. MOD 006273726 | Manifest Document No. 00755 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. | |
|--|--|--|--------------------------------|--------------------|--|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: ST. LOUIS MO 63118-410 | | | | |
| 4. Generator's Phone(314) 771-5765 | | | | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 6. US EPA ID Number MOD 006491286 | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 10. US EPA ID Number ILDO66918327 | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. Type | | 13. Total Quantity | 14. Unit Wt/Vol | |
| a. EQ, WASTE ACETONE, FLAMMABLE LIQUID UN 1090 | | 0. 0. 1 T. T | | 44.00 | 1 | |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY ATTN: STEVE DOELGER | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name KENNETH E CONKLIN | | Signature Kenneth E Conklin | | Date 11/2/90 | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LORD H. HARRELL | | Signature Lord H. Harrell | | Date 11/2/90 | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Date | | |
| 19. Discrepancy Indication Space | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | Signature James Harney | | Date 12/07/90 | | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Federal Management Center.



NOTE: FORM DESIGNED TO PRINT 8 LINES PER INCH.

EPA Form 8700-22 (Rev. 8-89)

Form Approved. OMB No. 2050-0039, Expires 6-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. M O D 0 0 6 2 7 3 7 2 6 | Manifest Document No. 0 0 7 9 2 | 2. Page 1 of 1. | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|------------------------------------|-----------------------------|--|
| 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. | | Location If Different: ST. LOUIS MO 63118-410 | | | |
| 4. Generator's Phone (314) 771-5765 | | 6. US EPA ID Number M O D 0 0 6 4 9 1 2 8 6 | | | |
| 5. Transporter 1 Company Name COMMERCIAL CARTAGE CO. | | 8. US EPA ID Number | | | |
| 7. Transporter 2 Company Name | | 10. US EPA ID Number | | | |
| 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 | | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RQ, WASTE ACETONE, FLAMMABLE LIQUID UN 1090 ERG ^M 26 | | | |
| | | 12. Containers No. Type | | 13. Total Quantity | 14. Unit Wt/Vol |
| a. | | 0.0.1 T | | 0.60.00 | 1 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY (EMERGENCY CONTACT# 314/776-6555 EXT 3278 ATTN: MIKE HUBBARD | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name KENNETH E CONKLIN | | Signature Kenneth E Conklin | | Date 0 1 2 0 1 8 1 9 1 1 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Don Casey | | Signature Don Casey | | Date 0 1 2 0 1 8 1 9 1 1 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Date | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name FRAN REIDY | | Signature Fran Reidy | | Date 0 1 2 0 1 8 1 9 1 1 | |

This agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS
AND SPECIAL WASTE.

State Form LPC 62 8/81

IL532-0610

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

MOD 006273726100842

Manifest
Document No.

2. Page 1

of 1.

Information in the shaded areas is not
required by Federal law, but is required by
Illinois law.

3. Generator's Name and Mailing Address

Location If Different:

SIGMA CHEMICAL CO.

ATTN: MIKE HUBBARD / 3500 DEKALB ST.

4. Generator's Phone (314)

771-5765

ST. LOUIS MO 63118-410

5. Transporter 1 Company Name

SCHIBER TRUCK COMPANY, INC.

6.

US EPA ID Number

ILD 006493191

7. Transporter 2 Company Name

8.

US EPA ID Number

9. Designated Facility Name and Site Address

CLAYTON CHEMICAL CO.

#1 MOBILE AVENUE

SAUGET, IL 62201-1069

10.

US EPA ID Number

ILD 066918327

MAY 21 1991

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total

Quantity

14. Unit

Wt/Vol

a. FQ, WASTE FLAMMABLE LIQUID, N.O.S., (METHANOL/ETHA
NOL),
FLAMMABLE LIQUID, UN 1993 ERG# 27

0.01

T-T

024.52

1

| | | | | |
|----|--|--|--|--|
| b. | | | | |
| c. | | | | |
| d. | | | | |

15. Special Handling Instructions and Additional Information

AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF NOT DELIVERABLE
AS ADDRESSED. Emergency Contact Phone 314-776-6555 EXT. 3278 ATTN: MIKE
HUBBARD
MO Generator ID# 62935 MO Transporter ID# H-1427

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway
according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to
be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present
and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and
select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Michael A. Hubbard

Signature

Michael A. Hubbard

Date

Month Day Year

05 11 91

17. Transporter 1: Acknowledgement of Receipt of Materials

Printed/Typed Name

Terry Bolin

Signature

Terry Bolin

Date

Month Day Year

05 11 91

18. Transporter 2: Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Date

Printed/Typed Name

Susan Pickelha

Signature

Susan Pickelha

Month Day Year

05 11 91

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against
the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by
the Form Management Center.

COPY 1. TSD MAIL TO GENERATOR

S/A-000070

In case of a spill call the Illinois Office of Emergency Response at 217 / 782-3637 and the National Response Center at 800 / 424-9595 or 202 / 426-2073.

1/9/86 → 9/1/87

S/A-000071

Inventory at Sigma on 12/31/88.
 Process Acetone - 8500 gal. Process SIS - 2000 gal.
 Used SIS - 1500 gal.

| DATE | MATERIAL | SHIPPED OR RECEIVED | QUANTITY | Y.T.D. Cum. TOTAL USED | Y.T.D. Cum TOTAL PROCESS |
|--------|----------------|---------------------------|---------------------|---------------------------|-----------------------------|
| 1/9/86 | ACETONE (USED) | RCVD | 4000 gal | 4000 gal | |
| 1/13 | ACETONE | SHIPPED | 43060# 6534 gal | | 6534 gal |
| 1/13 | SIS (USED) | RCVD | 46,480# 6700 GAL | 19,700 | |
| 1/27 | SIS | SHIPPED | 42,400# 6310 GAL | | 12,844 gal |
| 1/27 | ACETONE (USED) | RCVD | 45,340# 6700 GAL | 17,400 | |
| 2/25 | SIS USED | RCVD | 48,380# 6600 GAL | 24,000 | |
| 2/25 | ACETONE | SHIPPED | 42,980# 6522 GAL | | 19,366 |
| 3/5 | SIS | SHIPPED | 44,980# 6684 GAL | | 26050 |
| 3/5 | USED ACETONE | RCVD | 6600 GAL | 30,600 | 26050 |
| 3/25 | ACETONE | SHIPPED | 30180# 4580 GAL | | 30,630 |
| 4/1 | ACETONE | SHIPPED | 34,860# 5188 gal | | 35,818 |
| 4/1 | SIS (USED) | RCVD | 6700# | 37,300 | |
| 4/9 | SIS | SHIPPED | 39,400# 5863 | | 41,681 |
| 4/9 | SIS USED | RCVD | 47,700# 6600 gal | 43,900 | |
| 4/25 | SIS | SHIPPED | 42,300# 6295 gal | | 47,976 |
| 4/25 | SIS USED | RCVD | 6500 gal | 50,400 | |
| 5/2/86 | SIS | SHIPPED | 26560# 3952 gal | | 51,928 |
| 5/2/86 | SIS USED | RCVD | 6700 gal | 57,100 | |
| 5/9/86 | SIS USED | RCVD | 6700 gal | 63,800 | |
| 5/27 | SIS | SHIPPED | 26000# 3869 gal | | 55,797 |
| 5/30 | SIS (used) | RCVD | 6500 gal | 70,300 | |
| 6/2 | SIS | SHIPPED | 33720# 5018 GAL | | 60815 |
| 6/13 | SIS | SHIPPED | 37,300# 5557 GAL | | 66,366 |
| 6/13 | SIS (USED) | RCVD | 46580# 6700 GAL | 77,000 | |

SIA-000072

| DATE | MATERIAL | SHIPPED RECEIVED | QUANTITY | Y.T.D. Cum. TOTAL USED | Y.T.D. Cum. TOTAL PROCESS |
|----------|-----------|---------------------|---------------------|---------------------------|------------------------------|
| 6/23/86 | SIS(USED) | RCVD. | 6400 GAL | 83,400 | |
| 6/24/86 | SIS | SHIPPED | 44040# 6554 GAL | | 72,920 |
| 6/24/86 | SIS(USED) | RCVD. | 25,720# 3850 GAL | 87,250 | |
| 6/30/86 | SIS | SHIPPED | 44,560# 6631 GAL | | 79,551 |
| 6/30 | SIS(USED) | RCVD | 39620# 5760 GAL | 93,010 | |
| 7/11 | SIS | SHIPPED | 43,940# 6539 GAL | | 86,090 |
| 7/11 | SIS(USED) | RCVD | 6100 GAL | 99,110 | |
| 7/17 | SIS(USED) | RCVD | 6700 GAL | 105,810 | |
| 7/24 | SIS | SHIPPED | 43,640# 6494 GAL | | 92,580 |
| 7/24 | SIS(USED) | RCVD | 6700 GAL | 112,510 | |
| 8/13 | SIS | SHIPPED | 38,960# 5789 GAL | | 98,359 |
| 8/13/86 | SIS(USED) | RCVD. | 6000 GAL | 118510 | |
| 9/11 | SIS | SHIPPED | *33920# 5048 GAL | | 103,407 |
| 9/11 | SIS(USED) | RCVD | 6400 GAL | 124,910 | |
| 9/16 | SIS | SHIPPED | 41,320# 6149 GAL | | 109,556 |
| 9/25/86 | SIS | SHIPPED | 35,440# 5274 GAL | | 114,830 |
| 9/25 | SIS(used) | RCVD | 6000 GAL | 130,910 | |
| 10/2/86 | SIS(used) | RCVD | 6000 " | 136,910 | |
| 11/4/86 | SIS | SHIPPED | 4988 GAL | | 119,818 |
| 11/4/86 | SIS(used) | RCVD | 6500 GAL | 143410 | |
| 12/11/86 | SIS | SHIPPED | 15,000# 2232 GAL | | 122,050 |

| DATE | MATERIAL | SHIPPED OR RECEIVED | QUANTITY | Y.T.D. CUM. TOTAL USED | Y.T.D. CUM. TOTAL PROCESS |
|---------|----------------------------|--|--------------------------------------|---------------------------|------------------------------|
| 5/14/87 | SIS ^{BOILER} FEED | RCVD. | ✓ 44,400 th 6607 GAL | | 6607 |
| 5/14/87 | SIS (USED) | SHIPPED | 6600 GAL | 6600 GAL | |
| 5/27/87 | SIS | RCVD | ✓ 5375 | | 11,982 |
| 5/27/87 | SIS (USED) | SHIPPED | 46,660 th 6500 GAL | 13,100 | 1 |
| 6/3/87 | SIS | RCVD | ✓ 4625 | | 16,607 |
| 6/3/87 | SIS (USED) | SHIPPED RCVD | 6500 GAL | 19,600 | |
| 6/9 | ACETONE (USED) | SHIPPED | 6500 GAL | 26,100 | |
| 6/10 | SIS | RCVD | ✓ 4725 | | 21,332 |
| 6/10 | SIS (USED) | SHIPPED | 6500 GAL | 32,600 | |
| 6/19 | Acetone | RCVD | + 39220 5951 5950 12 | | 27,282 |
| 6/25 | SIS | RCVD | ✓ (3238) 3225 | | 30,507 |
| 6/29/87 | SIS (USED) | SHIPPED | 6500 GAL | 39,100 | 260 33,32 |
| 7/1/87 | SIS | RCVD SHIPPED | ✓ 2625 2365 GAL | | 33,872 |
| 7/8/87 | SIS | RCVD | ✓ 1950 GAL | | 34,822 |
| 7/8/87 | SIS (USED) | SHIPPED | 5000 GAL | 44,100 | |
| 7/15/87 | SIS | RCVD | ✓ 3625 GAL | | 38,447 |
| 7/15/87 | SIS (USED) | SHIPPED | 6500 GAL | 50,600 | |
| 7/24 | ACETONE | RCVD | + 43380 th 6582 gal | | 45,029 |
| 7/24 | SIS (USED) | SHIPPED | 6600 gal | 57,200 | |
| 7/29/87 | SIS | RCVD | ✓ 41,900 th 6235 gal | | 51,264 |
| 7/29/87 | SIS (USED) | SHIPPED | 6500 gal | 63,700 | |
| 8/6/87 | SIS | RCVD | ✓ 44,140 th 6568 | | 57,832 |
| 8/6/87 | SIS (USED) | SHIPPED | 6500 GAS | 70,200 | |
| 8/20/87 | SIS | RCVD | ✓ 6369 (6500) 42800 th | | 64,201 |
| 8/20/87 | SIS (used) | SHIPPED | 6500 GAS | 76,700 | |
| 8/31/87 | SIS | RCVD | ✓ 41,020 th 6500 6226 | | 70,742 |
| 8/31/87 | SIS (used) | SHIPPED SHIPPED | 4900 GAL | 81,600 | |
| 9/1/87 | SIS | RCVD | ✓ 37,020 5509 gal | | 75,936 |
| 9/1/87 | SIS used | SHIPPED | 6700 GAL | 88,300 | |

S/A-000074

[illegible]

[illegible]

| Y.T.D. CUM. TOTAL PENT. ACETONE | PROCESSED SOLVENTS RCLVD. FROM CLAYTON | | Y.T.D. CUM TOTAL | Y.T.D. CUM. TOTAL |
|------------------------------------|--|---------|------------------|-------------------|
| | ALCOHOL | ACETONE | PROCESS ALCOHOL | PROCESS ACETONE |
| | 6607 GALS 5375 " | | 6607 GALS | |

S/A-000078

1/9/86 → 7/1/87

1/9/86

Slay
200.00
+ 100.00
\$300.00

Sigma → Clayton Acetone (used)
Clayton → Sigma Waste H₂O
approved S.M. 2/10

1/13

Slay
211.50
14.00
111.55

Clayton → Sigma Acetone
Sigma → Clayton SIS (used)

337.05 } app. S.M. 2/10
51.00 } 1 1/2 hr demurrage

1/27

Slay
211.50
+ 108.82
\$320.32

Clayton → Sigma SIS
Sigma → Clayton Acetone (used)

Invoice app S.M. 2/10

2/25

Slay
225.00
+ 120.95
14.00

Clayton → Sigma Acetone
Sigma → Clayton SIS (used)
Clayton → Sigma Waste H₂O

approved 3/7/86 S.M.

3/5

Slay

Clayton → Sigma SIS
Sigma → Clayton Acetone (used)

3/14

Slay
348.10

Sigma → Clayton SIS (used)
Clayton → Sigma Waste H₂O

Approved S.M. 4/3

3/25 Slay Clayton → Sigma Acetone
#331.56 Sigma → Clayton acetone (used)
approved S.M. 4/4/86

4/1/86 Slay Clayton → Sigma Acetone
#340.79 Sigma → Clayton SIS (used)
app. S.M. 5/8

4/9 Slay Clayton → Sigma SIS
#341.82 Sigma → Clayton SIS (used)
app. S.M. 5/8

4/25 Slay Clayton → Sigma SIS
#341.70 Sigma → Clayton SIS (used)
app. S.M. 5/8

5/2 Slay Clayton → Sigma SIS
#337.71 Sigma → Clayton SIS (used)
app. S.M. 6/12

5/9 Slay Sigma → Clayton SIS used
339.28 Clayton → Sigma waste #20
app. S.M. 6/12

5/27 Slay Clayton → Sigma SIS
204.00
app. S.M. 6/12

5/30 Slay Sigma → Clayton used SIS
 334.42 Clayton → Sigma waste H₂O
 app. S.M. 6/12

6/2/86 Slay Clayton → Sigma SIS
 \$204.00 approved S.M. 7/7

6/13 Slay Clayton → Sigma SIS
 \$325.11 Sigma → Clayton SIS (used)
 approved S.M. 7/7

6/23 Slay Sigma → Clayton SIS (used)
 \$242.05 approved S.M. 7/7

6/24 Slay Clayton → Sigma SIS
 \$333.00 Sigma → Clayton SIS (used)
 approved S.M. 7/7

6/30 Slay Clayton → Sigma SIS
 306.00
 + 196.00
 \$502.00
 app. 8/11 S.M. Sigma → Clayton SIS (used)
 Clayton → Sigma Waste H₂O

7/11 Slay Clayton → Sigma SIS
 \$335.45 Sigma → Clayton SIS (used)
 + 25.50
 approved 8/11
 S.M.

7/17 Slay ② Clayton → Sigma Waste H₂O
 #328.12 ① Clayton → Sigma SIS (used)
 app. 8/11 S.M.

7/24 Slay Clayton → Sigma SIS
 333.00 app. 8/11 Sigma → Clayton SIS (used)
 Clayton → Sigma Waste H₂O

8/13/86 Slay Clayton → Sigma SIS
 Sigma → Clayton SIS (used)

9/11/86 Slay Clayton → Sigma SIS
 324.64 Sigma → Clayton used SIS
 259.21 Clayton → Sigma waste H₂O
 \$583.85 app. S.M. 10/2

9/25 Slay Clayton → Sigma SIS
 220.58 Sigma → Clayton SIS (used)
 308.00 Clayton → Sigma waste H₂O
 528.50 app. S.M. 10/2

9/16 Slay Clayton → Sigma SIS

10/2/86 Slay Sigma → Clayton SIS (used)
 204.00 Clayton → Sigma Waste H₂O
 140.00
 344.04

Invoice app
 S.M. 11/29

10/31/86 Slay Clayton → Sigma Waste H₂O
#236.87 app. S.M. 11/29

11/4/86 Slay Clayton → Sigma SIS
204.00 Sigma → Clayton SIS (USED)
104.00
#308.00 Approved S.M. 11/29

12/11/86 Slay Clayton → Sigma SIS
#204.00 app. ~~11/12~~ S.M.

12/19/86 Slay Clayton → Sigma Waste H₂O
#254.51 approved 1/12 S.M.

5/27

Arrived 9:50 AM,
Waited for analysis
until 11:30 AM 42.90 denuncy

6/3 1½ hr denuncy

had to go to scales at
Museum

5/14/87 Slay Clayton → Sigma SIS (soiled feed)
Sigma → Clayton SIS (used)

5/27/87 Slay Clayton → Sigma SIS
320.65
42.00 ~~denim~~ Sigma → Clayton SIS (used)
\$ 362.65 approved S.M. 6/15

6/3/87 Slay Clayton → Sigma SIS
309.00
51.00 ~~denim~~ Sigma → Clayton SIS (used)
360.00 Inv. app. S.M. 6/15

6/9/87 Slay Sigma → Clayton Acetone (used)
209.71
app. S.M. 6/16

6/10 Slay Clayton → Sigma SIS
306.00
34.00
340.00
Sigma → Clayton SIS (used)
approved S.M. 6/16

6/19 Slay Clayton → Sigma Acetone
213.49
+ 34.00
approved S.M. 7/1

6/25 Slay Clayton → Sigma SIS
204.00
105.35
+ 17.00 ~~denim~~
326.35
Sigma → Clayton SIS (used)
app. S.M. 7/24

7/1/87 Slay Clayton → Sigma SIS

7/8 Slay
204.00
+ 100.00
\$304.00 Clayton → Sigma
Sigma → Clayton
approved 7/24 S.H. SIS
SIS (used)

7/15 Slay Clayton → Sigma
Sigma → Clayton SIS
SIS used

7/24 Slay Clayton → Sigma
Sigma → Clayton Acetone
~~SIS used~~

7/29 Slay Clayton → Sigma SIS
Sigma → Clayton SIS (used)

8/6 Slay Clayton → Sigma SIS
Sigma → Clayton SIS (used)

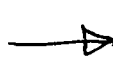
8/13 Slay Sigma → Clayton Acetone (used)

8/20 Slay Clayton → Sigma SIS
Sigma → Clayton SIS (used)

8/31/87

Slay

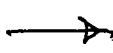
Clayton



Sigma

SIS

Sigma



Clayton

SISused

9/1/87

Slay

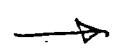
Clayton



Sigma

SIS

Sigma



Clayton

SISused

ACETONE

12030213
21250213
21250213

RUAN
PO BOX 326
WOOD RIVER, ILL. 62095

| | | | | | | | | | |
|----------|----|----|----|----|------------|------|-----------|---------------|--------------------|
| 3:30 | | | | | | | | | |
| <u>6</u> | | | | | | | | | |
| 9:30 | 15 | 16 | 17 | 18 | | | | | |
| hr | | | | | | | | | |
| 2.5 | 24 | 24 | 24 | 15 | $\Sigma =$ | 72 | \approx | 90 | |
| 14 | 14 | | | | | 17.5 | \approx | 21.90 | |
| | | | | | | | | <u>111.90</u> | paid <i>gratya</i> |

RUAN³¹⁴ 436-4994
618-254-3885

MIKE MEFFORD
BOB SCHOFIELD
ROCKY DARE

①
FAS

Rental & Shipping charges Record

10-16-74
FAS

Trailer #89 = RUAN # 20313

Trailer 183 = RUAN # 20337

10-17-74 ✓ 9⁰⁰ AM #20337 in use per call to
FAS 10-16-74 Rocky Dare - set up for 4⁰⁰ PM load Friday

great for
M. J. W. T. E.
14, 15, 16, 17, 18
paid shipper
11-14-74

10-17-74 #20313 ~~used~~ used Monday 3:30P at
Buck to pick up yeast. Spotted at
Sigma approx 6:30p.

10-18-74 #20313 3 PM STOP SPOT CHARGE

paid 11-4-74 #20337 7 PM STOP SPOT CHARGE

10-21-74 Trailer # ~~20313~~ ²⁰³³⁷ Begin spot charge
2⁰⁰ PM (filling w SLS)

10-22-74 Trailer #20313 Begin spot charge
at 10:30 AM

10-23-74 Trailer #20337 } stop spot charges
Trailer #20313 } at 8⁰⁰ A

10-14-74 Waste from Clayton

10-18-74 Waste from Sigma

THUR
FRI

10-31-74 Trailer #20337 start spot charge
paid spot 10-25-74 at 8:30 A 10-31-74 / FAS & Rocky Dare

11-4-74 Stop spot charges 8⁰⁰ A - 8³⁰ A
called Mefford #20337

11-12-74 Rocky Dare set up for waste pick
up Wed. 11:15A Spot trailer 20313 @ E before 8⁰⁰ A
Empty call 11-14-74 to start

2
11-15

11-14-74 oil move begin spot charge @ $\approx 1^{\circ}$ on 20313

11-18-74 Stop spot charge on 20313 @ $\approx 20^{\circ}$

11-25-74 Start spot charge on 20337 @ 4:30P 11-25-74

11-27-74 Stop spot charge on 20337 @ ^{about} 3:15P 11-27-74

weigh ticket 60800

T 29260

Net $31540 \div 6.78 = 4652$

paid

12-9-74 Scheduled with Rocky Dare to have #20313 cleaned, tire repaired if Mike hadn't had done, & pick up load at Sigma ~~12-11-74~~.

• 12-10-74 truck cleaned & spotted at Sigma with stipulation that spot charge not begin until Wednesday ¹³ 11-74. Gene Bowers filled 4 hrs Wed. beginning @ 8⁰⁰ AM. Thursday picked up load (Sank) about 3:15p finished at 5:45p.

new bill
4-23-75
8537410
853741A
have
paid?
ok d
paying
7-16-75/PHS

4-14-75 Sam Cleaves ~~pro~~ started ~ 7⁰⁰ A finish ~ 5:30 P $\approx 10\frac{1}{2}$ hr @ 18/hr + \$35 for cautions ^{spin} on truck.

pd
5-2-75
8224

4-23-75 / 9:35 AM Rocky Dare - set for Thurs 7:30 AM pick up at Clayton - 10-hour day. Sam to haul. Truck is clean.

Time approx 10hr ~ 7⁰⁰ A - 5¹⁵ M /PHS

(3)
FAS

pd
5-9-75 Sam Cleaves - at Clayton chemical
01 ~ 7:15 AM began loading reclaim
4:15 PM finish unloading at Clayton
waste for reclaim 9 hrs
P.O. # 1218711 - 5

6-10-75 Sam Cleaves - at Clayton ~ 7:30 A FINISH ~ 3⁰⁰
pd ^{inmate of 7-7-75}
Hauled load of reclaim acetone returned w/ load of alcohol
\$153 + cleaning not yet charged / FAS 7-7-75

7-7-75 Sam Cleaves - at Clayton ~ 6³⁰ Finish at 1⁰⁰
pd
Hauled load of SIS to E, returned w/ load of SIS for
reclaim. 7 1/2 - 8 hrs / 8 1/2 hrs approved
FAS 7-21-75

7-30-75 Sam Cleaves at Clayton ~ 2⁰⁰ Finished ~ 8⁰⁰
Hauled load of SIS to E, returned w/ load of SIS for
reclaim. Total hours 7-8

8-6-75 Sam Cleaves at Clayton
ok/FAS 8-5-75
Hauled load of Reclaim SIS to E, returned w/ load of SIS for reclaim
for payment

8-14-75 Sam Cleaves - spotted trailer at Clayton in am. then
ok/FAS 9-9-75
picked up load^{SIS} at 1:30 PM → E, returned
w/ load of waste SIS for reclaim. Picked up
2nd load of waste SIS at E and → Clayton.
Finish about 7:30 PM ~~at 8:00 PM~~
and took trailer to Rodgers for cleaning. Sam
returned w/ tractor to pick up dump trailer
at 8⁰⁰ PM. / FAS 8-14-75
6.5 + 2 hrs less ok

8-28-75 Sam hauled 1 load SIS + 1 load reclaim
ok FAS 135 35
9-17-75 (5170)

(4)
FAS

9-17-75 Sam Cleaves arrived @ Clayton 7:45 am
oil for paying picked up load SIS arrived @ $\Sigma \approx 10^{\circ}54'12''$
10-1-75/FAS arr. 1³⁵ left @ 2²⁸, finished unloading at Clayton
153 & left at 3:25 p. Hauled 1 load SIS,
35 2 loads SIS used. (7 $\frac{3}{4}$ Hr)
5788

10-2-75 Sam Cleaves picked up load at Clayton ~ 7³⁰ am SIS
FAS unloaded at Sigma. Loaded used SIS returned to
Clayton finish 1:30 p.

10-22-75 Sam Cleaves - ship 4375 gal SIS to Sigma, ship
144 4600 gal used SIS to Clayton 10:30
379/FAS-75 arr Sigma 12:53 depart 2:57 4:30

11-7-75 Sam Cleaves - ship 2778 gal SIS to Sigma, ship
oil payment 4600 gal SIS used to Clayton
12-16-75 (should be within 6 hr min)
6 pm finish at Clayton

11-12-75 Sam Cleaves - pick up load at Clayton Sigma
oil to pay 10:18 arrive
12-10-75 11:27 depart 2:15 p arrive 3:50 pm depart
191

11-20-75 Sam Cleaves pick up load at Clayton scheduled for 7:30 A
oil to pay 192355/FAS-75 unload at Sigma (arctone), return to Clayton pick
per Σ guard up alcohol and unload at Sigma, load used
records 11-20-75 arctone at Sigma take to Clayton, load waste
at Clayton and return to Sigma. Finish Sigma
approx 4:10 pm
a 3:48 pm. Total hours =

Arrive 9⁰⁰ A
Leave 10⁰⁵ A
Arrive 11⁵⁰ A
Leave 1:26
Arrive 3:08
Leave 3:48

1156 - 1126 308 - 348

(5)
FAS

12-~~10~~⁴-75 Slay: 31,420^{##} acetone reclaim Clayton to Sigma. Bulk load of used acetone Sigma → Clayton
 $\$165 + 10.50 = \175.50

12-11-75 Slay: Pick up load @ Clayton - loading time
 $159 + 17.50 = 176.50$

12-13-75 Slay: SIS from Clayton → Sigma; SIS Sigma → Clayton
 $184 + 7 = 191$
 ~~$184 + 18.50 = 202.50$~~

12-19-75 Slay: Load @ Clayton SIS → Sigma; SIS used E to Clayton
 $\$160.58$ shd 12-30-75; demurrage not approved.
FAS

~~1-16-76~~

1-16-76 Slay: load Clayton SIS → Sigma; SIS used E to Clayton
Water waste Clayton → Sigma

approved Clayton SIS → Sigma } 170.32
SIS Used to Clayton } did not approve demurrage charges
2-25-76 Demurrage charges: \$7.00 approved

2-16-76 Slay: load Clayton → Sigma; Ace used E to Clayton
demurrage 3.50 approved 2-25-76/FAS
including hold charge $\frac{244.81}{248.31}$ approved 2-25-76/FAS

* 3-15-76 Slay: load Clayton → Sigma; Acetone used E to Clayton
 $\$178.48$

3-31-76 Slay: load Clayton → Sigma Reclaim Ace; load Sigma → Clayton Used SIS; Load Water Waste Clayton → Sigma.

~~OR FAS 4-15-76~~
 $\$138.50$
~~OR FAS 4-15-76~~
hold

Late by ~1 hr arriving. Schedule 4-24-76 shd 168
114
10.50
3.50
 $\frac{296.00}{296.00}$

hold return all bills to Slay to Claims Mktg 4-15-76

S/A-000095

①
FAS

4-16-76 Slay: Pick up SIS at Clayton → Sigma; Pick up SIS (used) at Σ → Clayton
4-24-76 ok'd 168.00 (did not approve 75 holiday charge)
3.50
7.00
\$ 178.50 ultimately paid 75 extra
no notification

5-4-76 Slay: Set up with Claire for 5-6-76 Clayton →
5-6-76 Sigma SIS; Sigma to Clayton Used SIS;
Sigma → Clayton Used SIS
30 min demurrage unloading reclaimed SIS
no other extras / FAS 5-6-76

ok'd total bill of \$ 289 5-13-76 FAS
5-18-76 Slay: Set up with Larry for FRI. 5-21-76 7:30A
FAS 609 @ Clayton. 5500 gal bottom outlet trailers
for 5-21-76 rd 5-26-76 \$ 171.50 / FAS

6-4-76 Slay: Shipped SIS reclaimed SIS used + bottoms
180.04
10.50
118.50
309.04

6-29-76 Slay: Lounge set up schedule I was at Enko. Truck
FAS 7-8-76 hauled 1 load SIS; 1 load used SIS.
(Note: T.B. detected odor in trailer; did not load, I sent truck back. Slay steam cleaned and returned to Clayton for loading)
ok'd ~~total~~ bill for \$ 168.00 / FAS 6-8-76

7-14-76 Slay: ~~was~~ asked for 7-13-76; delay ~~that~~ Slay's request
FAS 7-14-76 to Wed. 7-14-76. Clayton → Sigma, Sigma → Clay.
Spent about 1/2 hr demurrage time
ok'd \$ 168 no demurrage / FAS 7-20-76

S/A-000096

⑦
FAB

Pick
(charge)
7-29-76 Slay: Clayton → Sigma; Sigma → Clayton
SIS ^{Reclaim} ~~Dec~~ SIS used
expect 30 min demurrage
approved invoice for \$168.00 & \$3.50 for 1/4 hr.
demurrage charges / 8-17-76

8-19-76 Slay: Clayton → Sig w/ SIS; Sig → Clayton w/ SIS
approved 177.48 / 8-28-76 shipping only 15¢
expect 30 min demurrage

8-20-76 Slay: ~~Clayton → Sig~~ Sig → Clayton w/ SIS used; Clayton →
Sig w/ ~~bottom~~
expect ZERO DEMURRAGE
\$168 ok'd 8-30-76 no demurrage

9-9-76 Slay: Clayton → Sigma 45 min Demurrage unloading
Sigma → Clayton 45 min Demurrage loading
191.33 ok'd 9-16-76 hauling only

10-13-76 Slay: Clayton → Sigma ⁴⁰ 30 min demurrage unloading
Sigma → Clayton no demurrage
Elaine cancelled truck ~~Wed~~ Tue afternoon while I was
at Cori Symposium. I called Larry
dispatcher ~ 6:00 pm Tue & said we had to
make haul. He reinstated schedule.
ok'd 177.07
18.50 demurrage
\$188.17

11-11-76 Slay: Sigma → Clayton used acetone no
demurrage
ok'd \$141.76 11-18-76/FAB

(8)
FAS

11-23-76 Clayton → Sigma
Sigma → Clayton
demurrage expected 1 1/4 hr at E unload
ok'd \$ 184.63 hauling 1/4 hr at E load
FAS 21.00 demurrage
12-1-76 205.63

11-24-76 Sigma → Clayton; Clayton → Sigma
Used acetone Bottoms
no demurrage expected
ok'd \$ 171.35 / 12-2-76 no demurrage

12-22-76 L.M. set-up haul - personally picked up placards
Clayton → Sigma w/ R/acetone
Sigma → Clayton Used Ace
expect { 3/4 hr demurrage unloading R/ace
1/2 hr load used ace
ok'd 204.80 + 17.50 demurr = \$ 222.30

1-14-77 FAS L.M. set up haul - Sigma → Clayton
w/ ~ 5000 gal SIS (used)
no demurrage expected
note: driver arrived Clayton instead of Sigma
ok'd \$ 120 for haul no demurrage

2-3-77 ^{Slag} Sigma → Clayton w/ SIS used; Clayton →
FAS Sigma w/ Bottoms
Should not be any demurrage
ok'd \$ 178 / 2-15-77 / FAS no demurrage

600

⑨
FAS

2-7-77 Slay: Clayton → Sigma Acetone
no demurrage
ok'd bill for \$120.00 / FAS 2-11-77

2-18-77 Slay: Clayton → Sigma SIS reclaim
Sigma → Clayton SIS used
expect ~1 hr demurrage
ok'd \$203.51
+ 7.00 demurrage } / FAS 2-24-77
+ 7.00 demurrage / FAS 2-28-77

4-14-77 Slay: Clayton → Sigma SIS Reclaim
Sigma → Clayton SIS used
no demurrage on loading per Elaine 4-14-77/FAS
expect 15 min demurrage unloading at E
ok'd 1/2 hr demurrage
\$190.73 total

4-21-77 Slay: Sigma → Clayton Acetone used
no demurrage
ok'd \$122.00 / FAS 4-28-77

5-3-77 Slay: LM set up \$ Clayton → Sigma SIS
Sigma → Clayton used SIS
expect 45 min demurrage

5-9-77 ok'd \$180.00 no demurrage yet

5-11-77 Slay LM set up Clayton → Sig Acetone
Sig → Clayton SIS used; Clay → Sig bottoms
No demurrage expected
ok'd \$180 5-17-77/FAS no demurrage
expect bill for bottoms / \$106 for wash / 5-25-77 FAS

⑩
FAS

6-1-77 Slay: Clayton → Sig SIS LM set-up w/ Slay
FAS Sigma → Clayton SIS (USED)

expect 30 min demurrage

ok'd { 205.73
6-17-77 { 9.00 demurrage
FAS

6-17-77 Slay: Clayton → Sig SIS

FAS Sigma → Clayton SIS (used)

expect 30 min demurrage

ok'd { 189.86 shipping

FAS { 9.00 demurrage
6-24-77

6-28-77 Slay: Clayton → Sigma SIS

was ok'd { Sigma → Clayton Acetone used
by FAS
paid \$182

expect 30 min demurrage

7-7-77 Slay Clayton → Sig Ace

Sigma → Clayton SIS used

Clayton → Sigma Waste water

expect 30 min demurrage

ok'd { 122.00 H. Bol shipping

7-19-77 { 190.44

by FAS/IM { 9.00 demurrage

\$ 321.44

7-26-77

Clayton → Sigma Reel. SIS

Sigma → Clayton SIS, USED

expect 60 min demurrage

24

approved { \$180.00 shipping
8-5-77 { 9.00 demurrage
S.M. \$189.00

8-9-77 Slay Clayton → Sigma Reel SIS
Sigma → Clayton SIS USED
expect 30 min demurrage

approved { \$180.00 shipping
8-24-77 { 0.00 no demurrage
S.M. \$180.00

8-26-77 Slay Clayton → Sigma Reel SIS
Sigma → Clayton SIS used
expect 30 min demurrage

approved { \$180.00 shipping
9-3-77 { 9.00 demurrage
S.M. \$189.00

9-8-77 Slay: Sigma → Clayton Used SIS
Clayton → ^{Sigma} Waste water
expect 2 hr demurrage

pump breakdown at E + slow unloading of waste
\$185.54 shipping
approved { 9.00 demurrage
9-21-77 {
S.M. \$194.54

10-3-77 Slay Clayton ~~S~~ → Sigma Recl. S.I.S.
approved { 135.45 shipping
10-12-77

10-12-77 Slay: Clayton → Sigma Recl. S.I.S.
Sigma → Clayton Recl. Acetone color
expect 1 hr demurrage
approved \$ 180.00 shipping
S.M. 10-20-77 \$ 22.50 demurrage

10-17-77 Slay Clayton → Sigma Recl. Acetone
0.245 Sigma → Clayton used Acetone
expect 90 min demurrage
approved { \$ 191.86 shipping
S.M. 10-25-77 13.50 demurrage

11-4-77 Slay Sigma → Clayton Used Acetone
expect no demurrage
approved 122.00 shipping
S.M. 11-16-77

11-18-77 Slay Clayton → Sigma Recl. Acetone
Sigma → Clayton "SIS used"
expect 30 min demurrage
Approved \$ 204.57 shipping charges
11-28-77 9.00 demurrage
S.M.

S/A-000102

S.

12-2-77 Slay

Clayton → Sigma Recl. Acetone

Approved

no demurrage

12-14-77

G.M.

\$130.00 Shipping charge

color

1-3-78

Slay

~~Clayton~~ Sigma → ^{used A.A.} Clayton

Clayton → Sigma waste H₂O

expect 1-1.5 hr. demurrage

approved

1-10-77

G.M.

195.36 shipping charges

1-9-78 Slay

approved Clayton

→ Sigma SIS

1-18-78

Sigma

→ Clayton

\$192.00

shipping

1-17-78

Slay

✓ Clayton

→ Sigma Recl. Acetone

Clayton

→ Sigma Recl. SIS

Sigma

→ Clayton ^{used} ACETONE

192.00

approved 1-26-78

+

130.00

} shipping charges

S/A-000103

2-8-78

Slay

Clayton

→ Sigma (SIS)

approved

Clayton

→ Sigma (Acetone Recl)

2-19-78

192.00

+ 151.00

Shipping Charge

Sigma

→ Clayton (USED SIS)

expect no demurrage

2-27-78 Slay Clayton → Sigma SIS
Sigma → Clayton
effect 30 min demurrage
approved 215.16
3-8-77 + 9.00 demurrage

3-13-78 Slay Clayton → Sigma SIS
Sigma → Clayton used SIS
approved 224.33
3-20-78 + 13.50 demurrage
effect 30 min demurrage

3-14-78 Slay Clayton → Sigma waste H2O
approved 148.97
3-22-78

3-30-78 Slay Clayton → Sigma SIS
approved 202.69 shipping charges
4/8/78 Slay Sigma → Clayton SIS (used)

4/13/78 Slay { Clayton NO DEMURRAGE → Sigma SIS
\$192.00 { Sigma NO DEMURRAGE → Clayton SIS (used)
shipping charges approved
4-28-78 Slay \$130.00 - Sigma NO DEMURRAGE → Clayton SIS (used)

4/25/78 Slay Clayton → Sigma SIS
\$148.12 shipping charges approved 5/9/78 S/M

5/3/78 Slay Clayton → Sigma SIS
\$204.99 shipping charges
approved 5/12/78 Slay Sigma → Clayton SIS USED

IS

5-16-78 Slay shipping Clayton → Sigma SIS
 approved \$351.27 charges
 + \$9.00 demurrage Sigma → Clayton ACETONE (USED)
 5/30/78 S.M. Clayton → Sigma Waste H₂O

neg

5-22-78 Slay Clayton → Sigma ACETONE
 182.00 shipping charges approved
 6/5/78 S.M. Sigma → Clayton ACETONE (used)

SIS

5/30/78 Slay Clayton → Sigma ACETONE
 \$203.94 shipping charges approved
 6/6/78 S.M. Sigma → Clayton SIS (USED)

H₂O

6/9/78 Slay Clayton → Sigma SIS
 \$218.66 shipping charges
 + 9.00 demurrage Sigma → Clayton SIS USED
 approved 6/23/78 S.M. expected 30 min. demurrage

S (USED)

6/22/78 Slay Sigma → Clayton SIS (USED)
 \$211.90 shipping charges
 approved 7/5/78 S.M. Clayton → Sigma WASTE

D)

S)

6/29/78 Slay Clayton → Sigma SIS
 \$218.35 shipping cost
 approved 7/3/78 S.M. Sigma → Clayton SIS (used)

7/10/78 Slay Clayton → Sigma SIS
 \$217.42 shipping charges
 \$9.00 demurrage Sigma → Clayton SIS (USED)
 approved 7/18/78

ED

8/7/78 Slay Clayton → Sigma SIS
approved 216.77 SHIPPING Sigma → Clayton USED ACETONE

8/14/78 S.M.
CHARGES

8/23/78 Slay Clayton → Sigma SIS
217.70 Shipping charged Sigma → Clayton USED SIS
approved 9/6/78 expect 30 min demurrage

9/6/78 Slay Clayton → Sigma ACETONE
202.48 Inv. approved 9/14/78 S.M. Sigma → Clayton USED ACETONE

9/12/78 Slay Clayton → Sigma ACETONE
132.00 Inv. approved 9/22/78 S.M. Sigma → Clayton SIS (used)
143.18 Clayton → Sigma Waste H₂O

9/19/78 Slay Clayton → Sigma SIS
Inv. approved 9/28/78 S.M. Sigma → Clayton SIS USED
211.45

9/28/78 Slay Clayton → Sigma SIS
200.30 Inv. approved 10/10/78 S.M. Sigma → Clayton ACETONE USED

10/6/78 Slay Clayton → Sigma SIS
Sigma → Clayton SIS (used)

10/18/78 Slay Clayton → Sigma SIS
219.42 Inv. approved 10/30/78 Sigma → Clayton SIS used

ETONA

11/1/78 Slay Clayton → Sigma SIS
#217.95 Inv. approved
+ 133.06 Demurrage
S.M. 11/10/78
Sigma → Clayton SIS (USED)
Clayton → Sigma BOTTOMS

IS

11/28/78 Slay Clayton → Sigma SIS
216.05 Inv. approved
S.M. expect return
Sigma → Clayton ACETONE USED

ETONA

ETONA

12/5/78 Slay Clayton → Sigma RECL ACETONE
#232.56 Inv. approved
+ 10.50 Rent
S.M. 12/15/78
3243.16 #216.00 shipping
Sigma → Clayton USED SIS

2

12/29/78 Slay Clayton → Sigma SIS
237.30
Inv. approved
S.M. 1/6/79
Sigma → Clayton (USED) SIS

SED

2/8/79 Slay Sigma Clayton SIS (used)
\$166.93 shipping charge ONE WAY HAUL
approved
S.M. 2/19/79

used

2/20/79 Slay Clayton → Sigma SIS
APPROVED 222.30
2/26/79 132.00
#354.30
Sigma → Clayton Acetone used
Clayton → waste H₂O

used

3/5/79 Slay Clayton → Sigma RECL ACETONE
218.57
SHIPPING CHARGE
APPROVED 3/5/79
L.M.
Sigma → Clayton SIS (USED)

SIA-000107

3/15/79 Slay
 Shipping change \$239.70
 approved 1/150
 2/30/79 \$251.24
 S.M.

Clayton → Sigma SIS
 Sigma → Clayton USED SIS

6,

4/16/79 Slay
 219.19 Shipping change
 11.50 demurrage
 230.69
 approved 5/2/79 S.M.

Clayton → Sigma SIS
 Sigma → Clayton ACETONE (USED)

7,

4/23/79 Slay
 379.03 Shipping change
 11.50 demurrage
 \$390.53
 approved 5/8/79

Clayton → Sigma ACETONE
 Sigma → Clayton SIS USED
 Clayton → Sigma WASTE H₂O

7,

5/1/79 Slay
 155.54
 approved 6/8/79

Clayton → Sigma SIS
 Sigma → Clayton SIS USED

9/

5/8/79 Slay
 \$211.28
 shipping change
 approved 6/15/79
 S.M.

Clayton → Sigma SIS
 Sigma → Clayton Acetone used

5/29/79 Slay
 210.94 Shipping
 17.25 Demurrage
 51.475 Unloading
 \$279.94 of excess wt.
 approved 6/8/79

Clayton → Sigma Acetone
 Sigma → Clayton SIS (USED)

6/8/79 Slay
 374.10
 Shipping charges
 approved 7/11/79 S.M.

Clayton → Sigma SIS
 Sigma → Clayton Acetone (used)
 Sigma → Clayton SIS used

S
 S/S
 6/26/79 Slay Clayton → Sigma ACETONE
 173.80 app. 8/6 S.M.
 226.54 app. 8/29 Sigma → Clayton S/S (USED)
 S.M. 8/28/79 Clayton → Sigma WASTE H₂O

S
 USED
 TONE
 7/5/79 Slay Clayton → Sigma S/S
 226.54 shipping charge
 239.91 app. 8/28/79 Sigma → Clayton S/S (USED)
 S.M. 8/28/79

ONE
 USED
 H₂O
 7/18/79 Slay Clayton → Sigma S/S
 232.44 shipping charge
 + 11.50 Demurrage
 243.94 app. 8/6/79
 S.M. 8/6/79 Sigma → Clayton ACETONE (USED)

7/26/79 Slay Clayton → Sigma ACETONE
 225.09
 + 11.50 Demurrage
 236.59 app. 8/9/79
 S.M. 8/9/79 Sigma → Clayton S/S (USED)

used
 8/8/79 Slay Clayton → Sigma S/S
 229.20
 + 11.50 Demurrage
 240.70 app. 8/28/79
 S.M. 8/28/79 Sigma → Clayton S/S (USED)

8/24/79 Slay Clayton → Sigma S/S
 214.67
 152.88 app. 9/18/79
 \$ 367.55 S.M. 9/18/79 Sigma → Clayton S/S (USED)
 Clayton → Sigma waste H₂O

S
 Slay
 Slay
 9/6/79 Clayton → Sigma S/S
 413.84
 + 11.50 Demurrage
 425.34 app. 10/14/79
 Clayton → Sigma ACETONE (USED)
 Clayton → Sigma S/S (USED)

9/13/79 Slay Clayton → Sigma Recl. Acetone 11/
 231.13 Sigma → Clayton SIS (used)
 + 11.50
 242.63 app. 9/25 S.M.

9/26/79 Slay Clayton → Sigma SIS 11/
 248.93 ~~Sigma~~ → Clayton used S
 11.50 remaining
 260.43 app. 10/8/79

10/3/79 Slay Clayton → Sigma SIS 12/
 239.08 Sigma → Clayton SIS
 app. 11/28/79

10/17/79 Slay Sigma → Clayton Yellow reclaimed Acetone
 263.40 ship ch. Clayton → Sigma Waste H₂O
 + 11.50 demur.
 274.90 app. 10/26 S.M.

10/19/79 Slay Clayton → Sigma SIS
 256.82 Sigma → Clayton Acetone (used)
 - 23.00 demur.
 279.82 app. 10/29/79 ship cl

10/25/79 Slay Clayton → Sigma Acetone
 244.81 app. S.M. 11/5/79
 Sigma → Clayton ~~SIS~~ Acetone

11/2/79 Slay Clayton → Sigma Acetone
 242.55 Sigma → Clayton SIS (used)
 app. 11/14/79

ACETONE 11/15/79 Sloy Clayton → Sigma S.I.S.
 237.35 Sigma → Clayton Acetone ^{used}
 + 11.50 demurrage
 \$248.85 approved
 S.M. 11/27/79

S 11/29/79 Sloy Clayton → Sigma ACETONE
 S.I.S. Sigma → Clayton S.I.S. ^{used}
 * 251.97
 + 17.25 demurrage * price increase from 0.325¢/lb
 \$269.22 to 0.360¢/lb = ~10.8%

12/10/79 Sloy Sigma → Clayton ACETONE (used)
 \$300.17 shipping ch Clayton → Sigma WASTE H₂O
 approved
 12/27/79 S.M.

(used) 1/24/80 Sloy Clayton → Sigma S.I.S.
 shipping \$271.30 ~~Sigma~~ → Clayton ^{price} Acetone
 change approved 2/1/80
 S.M.

1/29/80 Sloy Clayton → Sigma Acetone
 291.23 shipping ch Sigma → Clayton Acetone (used)
 13.00 demurrage

2/8/80 Slay Clayton → Sigma ACETONE
271.24 Slugg. change Sigma → Clayton ACETONE (US
19.50 Demurrage

2/14/80 Slay Sigma → Clayton SIS (used)
Invr. app. Clayton → Sigma Waste H2O
\$312.98 Slugg ch
S.M. 2/24/80

2/15/80 Slay ~~Clayton Sigma~~
416.31 ~~Slugg ch~~
Slugg ch Clayton → Sigma ACETONE
app. 3/11/81 Sigma → Clayton SIS (USED)
S.M. Clayton → Sigma SIS (USED)
Sigma → Clayton ACETONE (BAD)

2/22/80 Slay Clayton → Sigma ACETONE
256.50 Slugg. ch. Sigma → Clayton RECL ACETONE
13.00 Demurrage
269.50 app. 3/7/80

2/29/80 Slay Clayton → Sigma ACETONE
Slugging change Sigma → Clayton SIS (USED)
\$257.64 app 3/11/80

3/6/80 Slay Clayton → Sigma SIS
297.71 Sigma → Clayton SIS (USED)
+ 19.50 Demurrage
\$317.21 approved
3/18/80

used

3/26/80 Slay Clayton → Sigma SIS
259.55 Sh. charge Sigma → Clayton ACETONE (USED)
app. S.M.

used
120

4/2/80 Slay Clayton → Sigma ACETONE
176.23 ONE WAY

used
used
used
(BAD OR)

4/14/80 Slay ~~Clayton~~ → Clayton SIS USED
177.06 ONE WAY
app. S.M. 4/30/8

TO USE
(ODOR)
ETORNE

4/29/80 Slay Clayton → Sigma ACETONE
253.62 Sigma → Clayton USED SIS
app. 5/2/80 S.M.

ONE
ED)

5/1/80 Slay Clayton → Sigma SIS
298.51
141.76
314.27 approved Sigma → Clayton SIS USED
5/3/80 6/20/80 S.M.

used
USED)

189.65 Slay
14.76 + 293.64
204.41 approved
S.M. 6/20/80

Clayton → Sigma SIS
Sigma → Clayton SIS (USED)
Clayton → Sigma WASTE TR

6/3/80 Slay
277.38
+ 22.00
S.M. approved
6/20/80

Clayton → Sigma SIS
Sigma → Clayton SIS (USED)

6/9/80 Slay
 shipping charge 279.35
 demurrage 14.69
 app. 6/20/80 294.05

Clayton → Sigma ACETONE
 Sigma → Clayton SIS (used)

7/2/80 Slay
 292.81
 + 22.04 demurrage

Clayton → Sigma SIS
 Sigma → Clayton SIS (used)
~~Clayton → Sigma Waste H₂O~~

7/10/80 Slay
 276.79
 180.80
 7.35
 464.94
 app. 7/25/80

Clayton → Sigma SIS
 Sigma → Clayton SIS (used)
 Clayton → Sigma waste H₂O

7/25/80 Slay
 \$ 180.80
 shipping charge app.

Sigma → Clayton SIS (used)

8/13/80 Slay
 264.42
 7.35
 app. 9/8/80

Clayton → Sigma SIS
 Sigma → Clayton ACETONE (used)

8/21/80 Slay
 273.79
 app. 9/8/80
 S.M.

Clayton → Sigma ACETONE
 Sigma → Clayton SIS (used)

9/16/80 Slay Clayton → Sigma SIS (USED)
 284.66 Sigma → Clayton ACETONE
 + 29.38 Demurrage
 \$314.04
 app. 10/6/80 S.H.

9/23 Slay Clayton → Sigma ACETONE
 278.88 Sigma → Clayton SIS (USED)
 180.80 Clayton → Sigma WASTE H₂O
 + 7.35 dem
 \$467.03 app. 10/6/80 S.H.

10/6/80 Slay Clayton → Sigma SIS
 290.34 ~~Sigma~~ Clayton → Sigma SIS (USED)
 + \$7.35
 app. 10/24/80 S.H.

10/23/80 Slay Clayton → Sigma SIS
 285.91 FORTWIL
 180.80
 22.04
 + 7.35
 10/24/80 S.H.

11/4/80 Slay - Clayton → Sigma SIS
 278.80 Sigma → Clayton ACETONE (USED)
 201.50 Sigma → Clayton SIS LOSES
 + 7.35
 487.65 app. 12/4/80 S.H.

11/14/80 Slay Clayton → Sigma ACETONE
 Sigma → Clayton ACETONE (USED)

12/11/80 Slay
318.48
210.70

Clayton → Sigma ACETONE
Sigma → Clayton SIS USB
Clayton → Sigma Waste H₂O

3/1

12/31/80 Slay
337.82
+ 37.21 dinner

Clayton → Sigma SIS
Sigma → Clayton

4

\$375.03
app. 1/31/81
S.M.

1/29/81 Slay
293.48

Clayton → Sigma SIS
Sigma → Clayton ACETONE (USED)

5/6/81

approved 2/16/81 S.M.

2/10/81 Slay
315.81
+ 7.61
323.42

Clayton → Sigma Acetone
Sigma → Clayton Acetone

5/15

approved 3/5/81 S.M.

2/19/81 Slay
310.78
app. 3/5/81
S.M.

Clayton → Sigma Acetone
Sigma → Clayton Acetone (used)

3/1
app. 3/5/81
S.M.

3/5/81 Slay
346.82
approved
S.M. 3/17/81

Sigma → Clayton used alcohol
Clayton → Waste H₂O

6/2

6/3

3/13/81 Slay - Clayton → Sigma Acetone (recl.)
203.40

app. 3/26/81 S.M.

4/14/81 Slay Clayton → Sigma SIS
\$344.90 Sigma → Clayton ACETONE (USED)

app. 6/12/81 S.M.

4/27/81 Slay Clayton → Sigma ACETONE (RECL.)
329.22 Sigma → Clayton ~~Acetone~~ ^{SIS} (USED)

app. 6/12/81 S.M.

5/6/81 Slay Clayton → Sigma SIS (recl.)
334.14 Sigma → Clayton SIS (used)

app. 6/12/81 S.M.

5/15/81 Clayton → Sigma waste H₂O
346.74 Sigma → Clayton SIS (used)

app. S.M.

~~346.74~~ 6/9/81 Slay Clayton → Sigma SIS

215.64 app. 6/24/81 S.M.

6/23/81 Slay Sigma → Clayton ACETONE (USED)
221.22 SIS

app. S.M. 7/6/81 Back HAUL #103.96 app. 9/7 S.M.

6/30/81 Slay Clayton → Sigma SIS

\$207.60

app. 7/24/81 S.M.

7/9/81

Slay
330.60

~~Clayton~~ → Sigma ACETONE
Sigma → ~~Clayton~~ ACETONE (USED)

9/2
3:
2.
57

7/16/81

Slay
326.80

+ 202.60

\$ 529.40

app. 7/30
S.M.

Clayton → Sigma ACETONE
Sigma → Clayton ACETONE (USED)
Clayton → Sigma Waste H₂O

9/2
3

7/27/81

Slay

Clayton → Sigma ACETONE
Sigma → Clayton SIS (USED)

\$ 325.34

app. 8/31/81 S.M.

10/

7/30/81

Slay
329.49

approved

S.M. 8/31/81

Clayton → Sigma SIS
Sigma → Clayton SIS (USED)

10/1
10/1
AP

8/25/81

Slay
335.42

app.

Clayton → Sigma SIS
Sigma → Clayton ACETONE (USED)

9/1/81

Slay

11/

323.31 Approved S.M. 9/12/81

9/21/81
333.73 Slay Clayton → Sigma SIS
217.02 ~~Slay Clayton~~ → Sigma Acetone ^{used}
550.75 ~~Slay Clayton~~ → Sigma waste ^{H₂O}
app. S.M. 10/5/81

9/29 Slay Clayton → Sigma Acetone
324.30 Sigma → Clayton S.I.S. USED
app. S.M. 10/5/81

10/6/81 Slay Clayton → Sigma SIS
201.80 Slay
173.00 app. 10/15/81
244.80 Sigma Clayton
10/14/81 Slay ~~Clayton~~ → ~~Sigma~~ S.I.S. USED
222.50 app. 10/29/81

10/19/81 Slay Sigma → Clayton SIS
10/20/81 Slay Clayton → Sigma SIS
APPROVED \$222.50
332.13 S.M. 11/3/81 Sigma → Clayton ACETONE (USED)

10/28/81 Slay Sigma → Clayton ACETONE ^{H₂O PROB.}
207.46
app. S.M.

~~10/31/81 Slay Sigma~~
11/9/81 Slay Clayton → Sigma Acetone
302.36 Sigma → Clayton Acetone ^(used)
app. S.M. 11/24/81

S/A-000119

11/16/81 Slay Clayton → Sigma SIS
325.73 Clayton → Sigma ACETONE
201.82
526.55 11/25/81 Sigma → Clayton
app. S.M.

11/20/81 Slay Sigma → Clayton SIS (used) 3/1
\$201.80
approved S.M. 12/5/81

11/30/81 Slay Sigma → Clayton SIS (used) 3/2
\$214.95
approved S.M. 12/12

12/04/81 Slay Clayton → Sigma SIS 4/1
325.53
+ 236.93
562.46
Sigma → Clayton SIS (used)
Clayton → Sigma waste H₂O
app. 12/21/82
S.M.

1/8/82 Slay Clayton → Sigma ACETONE (used) 4/1
327.08
Sigma → Clayton SIS (used)
approved S.M. 1/25/82

2/22/82 Slay Sigma → Clayton ACETONE (used) 5/1
171.00
10.00 Pump CHARGE
19.50 XS TIME
13.00 WEIGHT CHARGE
~~30.78~~ 15% FUEL SURCHARGE
244.22 app. 3/8/82

3/19/82 Slay Sigma → Clayton Acetone (USED)
\$ 320.69 sh. ch. Clayton → Sigma ACETONE
app. 4/6/82 S.M.

3/22/82 Slay Sigma → Clayton ACETONE (USED)
Clayton → Sigma Acetone
\$331.43 ship charges
app. 4/6/82

4/2/82 Slay Sigma ← Clayton ACETONE
358.27 Sigma → Clayton ACETONE (USED)
201.80 Clayton → Sigma WASTE H₂O
560.07
app. 4/14/82 S.M.

4/26/82 Slay Clayton → Sigma SIS
319.99 Sigma → Clayton ACETONE (USED)
app. 5/3/82

4/27/82 Slay Clayton → Sigma ACETONE
201.46

5/14/82 Slay Clayton → Sigma SIS
358.65 Sigma → Clayton SIS (USED)
app. S.M. 6/2/82

5/28/82 Slay Clayton → Sigma SIS
205.46
app. S.M. 6/22/82

6/9/82 Slay Clayton ← Sigma SIS (USED)
\$231.88
app. S.M. 6/22/82

6/14/82 Slay Clayton → Sigma SIS
Sigma → Clayton ACETONE (USED)
\$331.26 app. S.M. 6/22/82

6/23/82 Slay Clayton → Sigma ACETONE
311.16
+ 236.39
\$547.45
Sigma → Clayton ACETONE (USED)
Clayton → Sigma WASTE H₂O
app. S.M. 6/29/82

7/8/82 Slay Clayton ← Sigma SIS USED
\$226.30 app. S.M.

7/16/82 Slay Clayton → Sigma SIS
\$335.63
205.46
\$541.09
Sigma → Clayton SIS (USED)
Sigma → Clayton SIS (USED)
Shipping costs app. 8/13 S.M.

7/28/82 Slay Clayton → Sigma SIS
Sigma → Clayton SIS (USED)
\$311.54 app. S.M. 8/13

8/18/82 Slay Clayton → Sigma SIS
#310.547 Sigma → Clayton SIS (USED)
app. S.M. 9/8/82 Clayton → Sigma Waste H₂O
+ #202.50 app. S.M. 10/21/82

9/10/82 Slay Clayton → Sigma SIS
#341.48 Sigma → Clayton SIS (USED)
Approved 9/27/82 S.M.

9/13/82 Slay Sigma → Clayton Acetone (USED)
#221.72 approved 10/14/82 S.M.

9/17/82 Slay Clayton → Sigma Acetone
#338.53 Sigma → Clayton SIS (USED)
Approved 9/27/82 S.M.

9/23/82 Slay Clayton → Sigma SIS
#383.56 Sigma → Clayton Acetone (USED)
approved S.M. 10/2/82

10/1/82 Slay Sigma → Clayton Acetone off color
#215.96 approved 10/14/82

10/5/82 Slay Clayton → Sigma Acetone
232.38 approved 10/14/82 S.M.

10/8/82 Slay Sigma → Clayton Acetone ^{distilled}
#205.46 Approved 10/25/82 S.M.

10/11/82 Slay Clayton → Sigma Acetone
205.46 Approved 10/25/82 S.M.

Slay 10/14/82 Clayton → Sigma ACETONE
Sigma → Clayton ACETONE (USED)
325.62 Approved 10/28/82 S.M.

11/4/82 Slay Clayton → Sigma SIS
280.36 Sigma → Clayton Acetone (used)
271.14 Clayton → Sigma Waste H₂O
\$551.50 approved S.M. 11/15/82

11/12/82 Slay Clayton → Sigma Acetone
Sigma → Sigma SIS (USED)
\$341.66 Approved S.M. 11/27/82

12/16/82 Slay ~~Sigma~~ → Clayton Acetone (used)
221.99 app. S.M. 12/29

1/20/83 Slay Clayton → Sigma Acetone
\$314.92 Sigma → Clayton Acetone (used)
app. 1/31/83

4/15/83 Commercial Carriage Clayton → Sigma SIS
Sigma → Clayton SIS (used)

4/25/83 Slay Clayton → Sigma SIS
305.65 Sigma → Clayton Dirty H₂O
USED
approved 5/6/83

5/17/83 Slay Clayton → Sigma SIS
~~5/17/83~~

5/18/83 Slay Sigma → Clayton SIS used
205
1223
1448
Sigma → Clayton Acetone used
approved 5/18/83 S.M.

5/31/83 Slay Clayton → Sigma SIS
180.00
+ 12.00 *
approved S.M.

6/17/83 Slay
164.00 Clayton → Sigma ACETONE
192.00 Sigma → Clayton SIS USED
Clayton → Sigma Waste H₂O
approved \$356.00 for items 1 & 3 #2
was improperly billed & was returned
to Slay S.M. 7/7/83

6/23/83 Slay Clayton → Sigma SIS
Sigma → Clayton Acetone (used)

6/27/83 Slay Clayton ← Sigma SIS (USED)

7/6/83

Slay

Clayton → Sigma

SIS

9/9

Sigma → Clayton

ACETONE (USED)

\$203.60 ?
+ \$98.60 approved S.M. 9/17/83

7/21/83

Slay

Clayton → Sigma

ACETONE

9/16

192.00

Sigma → Clayton

SIS (USED)

330.38

Clayton → Sigma

WASTE H₂O

approved 8/3/83 S.M.

9/2

8/2/82

Slay

Clayton → Sigma

SIS

\$309.24

Sigma → Clayton

SIS (USED)

app. S.M. 8/11/83

9/29

8/9/83

Slay

Clayton → Sigma

SIS

307.06

Sigma → Clayton

SIS (USED)

app. S.M. 8/19/83

10/12

8/24/83

Slay

Clayton → Sigma

SIS

303.44

Sigma → Clayton

SIS (USED)

192.00

Clayton → Sigma

Waste H₂O

495.44

app. S.M. 9/7/83

10/19

9/2/83

Slay

Clayton → Sigma

SIS

\$307.87

Sigma → Clayton

SIS (used)

app. S.M. 9/7

10/2

9/9/83 Slay Clayton → Sigma SIS
#330.30
Sigm 9/23 → Clayton SIS(USED)
approved S.M. 9/23

9/16/83 Slay Sigma → Clayton Acetone(used)
284.44
Clayton → Sigma Waste H₂O
approved S.M. 9/23

9/22/83 Slay Clayton → Sigma SIS
#279.22
Sigma → Clayton SIS used
approved S.M. 10/10/83

9/28/83 Slay Clayton → Sigma SIS
#320.47
Sigma → Clayton SIS(USED)
approved S.M. 10/10/83

10/12/83 Slay Clayton → Sigma Acetone
#288.86
Sigma → Clayton Acetone(used)
approved S.M. 10/26

10/19/83 Slay Clayton → Sigma ~~Acetone~~ ^{SIS}
#310.22
Sigma → Clayton Acetone(used)
+ 122.00
#432.22
Clayton → Sigma - Waste H₂O
approved S.M. 10/26

10/24/83 Slay Clayton → Sigma (Acetone)
189.00
Sigma → Clayton (Acetone used)
+ 101.85
+ 13.46
#304.31
approved S.M. 11/3

12/1/83 ~~Slary~~ Sigma → Clayton Acetone (used) 3/1
192.00 billed to Clayton; awaiting proper billing

12/1/83 Clayton → Superior Acetone 2/2
5000 GALS. picked up by Superior

12/16/83 Slary ~~Clayton~~ Clayton → Sigma SIS (used) 3/2
205.46
approved S.M. 12/30/83

11/9/83 } Slary 242.00 charge for 2 day use 3/2
11/10/83 } app. S.M. of a trailer for PH correction
of Acetone.

1/9/84 Slary Clayton → Sigma Acetone 4/1
2/6/84 \$294.35 Sigma → Clayton Acetone (used)
approved S.M.

2/3/84 Slary Clayton → Sigma Waste H₂O 4/1
3/7/84 \$180, approved S.M. 4/2

2/17/84 Slary Clayton → Sigma Acetone 5/1
290.12 Sigma → Clayton Acetone (used)
13.46 remaining
303.58
approved S.M. 3/8/84

used) 3/7/84 Slay Clayton → Sigma Acetone
269.98
approved 4/6/84 S.M.
Sigma → Clayton Acetone used

2/23/84 Slay - Trailer usage for ~~Acetone~~ Solvent purification
66.00 Spotting Charge
66.00 Pick up charge
1 day detention charge
110.00
242.00 app. 3/10/84 S.M.

3/29/84 Slay Clayton → Sigma SIS
Sigma → Clayton SIS used
\$302.12 App. 5/11/84 S.M.

4/2/84 Slay Sigma → Clayton ACETONE USED
Clayton → Sigma Waste H₂O
\$318.64 approved S.M. 5/11/84

4/17/84 Slay Sigma → Clayton Acetone (used)
Bill for 164.00 inadvertently billed to Clayton
\$164.00 approved S.M. 7/6/84

4/25 Slay Clayton → Sigma Waste H₂O 4500
\$193.06 Approved S.M. 5/11/84

used) 5/4/84 Slay Clayton → Sigma Waste H₂O 2800
Sigma → Clayton used acetone
213.84
56.75
26.00 net charge
295.59 approved S.M. 7/6/84

7/3

7/11

7/1

7/2

3 ac.

8/1

8

4 3/4

5/14/84 ¹Blay Clayton → Sigma Acetone
 314.00 Sigma → Clayton Acetone used
 Inv. app. 6/2/84

5/22 Commercial Clayton → Sigma SIS
 (6 ea) 293.73 Sigma → Clayton SIS (USED)
 + 3.128.00 84.00 ^{scale} wt. chng Clayton → Clayton waste H
 377.73 Inv. app. 6/2/84 S. M.
 + 88.00 ^{damaged} " " 4/12/84
 " " " "

5/29/84 Blay Sigma → Clayton ACETONE (used)
 196.38

6/6/84 Comm. Cost Clayton → Sigma Acetone
 383.50
 84.00 ^{3 scale} wt. chng Sigma → Clayton SIS (used)
 367.50 Clayton → Sigma Waste H
 Inv. app. S. M. 6/22

6/12/84 Comm. Cost Clayton → Sigma SIS
 \$167.50 Inv. app. 6/22 S. M.

6/20/84 Comm. Cost Clayton → Sigma SIS
 \$294.49
 84.00 ^{6 scale} wt chng Sigma → Clayton SIS (used)
 378.49 Clayton → Sigma waste H

7/3/84 Comm. Cart. Clayton → Sigma SIS
 139.50
 28.100
 267.50 Inv. approved 7/10/84

7/11/84 Comm. Cart. Sigma → Clayton Acetone (used)
 297.00
 56.00 at ch Clayton → Sigma Waste H₂O
 353.00 Approved 7/24/84

7/18/84 Comm. Cart. Clayton → Sigma Acetone
 227.00
 72.00
 56.00 at ch Sigma → Clayton SIS (used)
 355.00 approved 7/24/84

7/27/84 Comm. Cart. Clayton → Sigma SIS
 369.00
 84.00
 453.00 Sigma → Clayton SIS (used)
 Clayton → Sigma waste H₂O
 Inv. app. S.M. 8/6/84

8/14/84 Comm. Cart. Sigma → Clayton SIS (USED)
 252.2
 ac. amt. + 28.00
 380.20 Inv. app. S.M. 8/29

8/17/84 Comm. Cart. Clayton → Sigma SIS
 401.60
 84.00
 485.60 Sigma → Clayton SIS (USED)
 Clayton → Sigma waste H₂O
 App. 9/8/84 S.M.

9/5/84 Comm Cost. Clayton → SIGMA SIS L
 int ch 324.90
 56.00
 380.90 App. 9/15/84 Mr. Sigma → Clayton SIS (used)

9/14/84 Comm Cost. Clayton → Sigma SIS
 app. 10/9 211.50
 108.67
 200.00
 520.17 Waste H₂O
 Sigma → Clayton Acetone (used) 11

9/25/84 Comm Cost. Clayton → Sigma Acetone
 200.00
 120.05
 320.05 app. 10/9 Mr. Sigma → Clayton SIS (used)

10/2/84 Slay Clayton → Sigma SIS
 319.00
 + 200.00 Sigma → Clayton SIS (used)
 Clayton → Sigma WASTE H₂O

10/9/84 Slay Clayton → Sigma SIS
 317.20
 + 42.60 Demerol Sigma → Clayton ACETONE (used)
 Clayton → Sigma Waste H₂O

10/19/84 Slay Clayton → Sigma SIS
 313.30
 200.00
 513.30 Sigma → Clayton SIS (used)

11/5/84 Slay Sigma → Clayton Acetone Used
340.48
+ 34.00 ~~demurrage~~
374.48
Clayton → Sigma Waste water
App. S.M. 12/7

11/9/84 Slay Sigma → Clayton SLS
#317.70
Approved
S.M. 12/7
Clayton → Sigma SLS
Sigma → Clayton Acetone (used)

11/15/84 Slay Clayton → Sigma Acetone (Proab)
211.50
Approved S.M. 12/7

1/16/85 Slay Sigma → Clayton ACETONE (USED)
Clayton → Sigma WASTE H₂O
\$318.50 app. 2/6/85 S.M.

1/22/85 Slay Clayton → Sigma ACETONE
Sigma → Clayton ACETONE (USED)
\$300.00 app. S.M. 2/6/85

2/27/85 Slay Clayton → Sigma ACETONE
321 Sigma → Clayton ACETONE (USED)

3/7/85 Slay Clayton → Sigma ACETONE
321.00 Sigma → Clayton SIS (USED)

3/12/85 Slay Clayton → Sigma SIS
525 Sigma → Clayton SIS (USED)
Clayton → Sigma waste H₂O

3/29/85 Slay Clayton → Sigma SIS
213.19 Sigma → Clayton ACETONE (USED)
+ 114.24
327.43 Im. approved 4/13 S.M.

4/1/85 Comm. Cost. Sigma → Clayton ^{used} Acetone 5/1
\$225.00 Inv. approved S.M. 4/18/85

4/4/85 Slay ~~Sigma → Clayton Acetone~~ 5/-
\$319.79 Clayton → Sigma Acetone
- 200.00 Sigma → Clayton Acetone (used)
519.79 Clayton → Sigma Waste H₂O
Inv. app. S.M. 4/18/84

4/12/85 Slay Clayton → Sigma Acetone 6/1
\$338.86 Sigma → Clayton SIS (used)
Inv. approved S.M. 4/25

4/19/85 Slay Clayton → Sigma SIS 6/1
301.35 Sigma → Clayton SIS (used)
Invoice approved S.M. 4/25

4/29/85 Slay Clayton → Sigma ~~SIS~~ 7/1
318.95 Sigma → Clayton SIS (used)
200.00 Clayton → Sigma Waste H₂O
\$518.95
Inv. approved S.M. 5/11

5/3/85 Slay Sigma → Clayton Acetone (used) 7/1
\$224.85 S.M. 6/11/85 301.

5/8 Slay Clayton → Sigma SIS a
325 Sigma → Clayton SIS (used)

5/17 Slay Clayton → Sigma Acetone
\$ 323.79 Sigma → Clayton SIS (used)
Inv.

5/24 Slay Clayton → Sigma SIS
324.88 Sigma → Clayton Acetone
200.00 Clayton → Sigma Waste H₂O
\$ 524.88 Inv. app. 6/12/85

6/13 Slay Clayton → Sigma SIS
527 Sigma → Clayton SIS (used)
Clayton → Sigma Waste H₂O

6/19 Slay Clayton → Sigma SIS (used)
725.40

7/1 Slay Clayton → Sigma SIS
212.00 Sigma → Clayton Acetone (used)
108
320.00 app. S.M. 8/9

7/12 Slay Clayton → Sigma Acetone
210.60 Sigma → Clayton SIS (used)
115.05
325.65 app. S.M. 8/9
+ 34.00 Demurrage

7/24 Slay Sigma → Clayton Acetone (used)
301.20 205.20
- Clayton → Sigma Waste H₂O
App. + 96.00
S.M. 8/9

7/25

Slay
211.50
108.100
319.50

Clayton → Sigma SIS
Sigma → Clayton SIS (used)
app. S.M. 8/9

10

7/30

Slay
319.05

Clayton → Sigma Acetone
app. S.M. 8/12
Sigma → Clayton SIS

10

8/7

Slay
212.44
111.98
324.42

Clayton → Sigma SIS
Sigma → Clayton Acetone (used)
Approved S.M. 9/23

10

8/14

Slay
200.00
104.55
200.00
504.55

Clayton → Sigma ACETONE
Sigma → Clayton SIS (USED)
Clayton → Sigma Waste H₂O
Approved S.M. 9/23

9

10

9/3

Slay
211.50
108.10
28.00
347.60

Clayton → Sigma SIS
Sigma → Clayton SIS (USED)
Approved S.M. 9/23

11

9/12

Slay
192.00
112.75
304.75

Clayton → Sigma SIS
Sigma → Clayton SIS (used)
Approved S.M. 9/23

12

9/20

Slay
346.00
214.00
560.01

Clayton → Sigma SIS
Sigma → Clayton Acetone
Clayton → Sigma Waste H₂O

App. 10/17/85

10/2/85 Slay Clayton → Sigma Acetone
\$339.78 Sigma → Clayton Acetone (used)
app. 10/15 S.M.

10/8 Slay Clayton → Sigma SIS
340 Sigma → Clayton SIS used

10/16 Slay Clayton → Sigma Acetone
345.65 Sigma → Clayton Acetone used
214.00 Clayton → Sigma Waste H₂O
app. 11/11 S.M.

9/27 Slay Sigma Clayton SIS (used)
224.93 app. 10/17

10/28 Slay Clayton → Sigma Acetone
353.26 Sigma → Clayton SIS (used)
app. 11/11 S.M.

11/11 Slay Clayton → Sigma SIS (used)
\$339.50 - 128.00 charge to Holiday Transport
approved 1/10/86

12/3 Slay Clayton → Sigma SIS
329.58 Sigma → Clayton SIS used
200 Clayton → Sigma Waste H₂O
\$559.58
app. S.M. 1/10/87

12/13/ Slay Sigma → Clayton SIS (used)
200.00 Sigma → Clayton Acetone (used)

12/6 Slay Clayton → Sigma SIS
\$302.70 Sigma → Clayton SIS (used)
Approved 1/13/8.44

12/3 Slay Clayton → Sigma Acetone
\$315.21 Sigma → Clayton Acetone (used)
Approved 1/13 S.H.

SOLVENT RECOVERY
RECEIVING AND SHIPPING

| | <u>WEIGHT /gallon</u> |
|---------|-----------------------|
| ACETONE | 6.59 #/gal |
| 94% SIS | 6.72 lb/gal |

LEGEND:

SIS = SPECIAL INDUSTRIAL SOLVENT (R PM408)
OLB = OPERATION LOG BOOK

paid

paid

10-29-74 ok for pay

ok to pay 10-29-74

ok to pay 10-29-74 11 AM

paid 11-6-74

S/A-000141

1
FAS

| DATE | MATERIAL | SHIPPED OR RECEIVED | QUANTITY | ASSAY REFERENCE | SIGMA LOT NUMBER | Σ TOTAL SHIPPED |
|----------|---------------------|---------------------------|----------------------------|--------------------|------------------------|--------------------|
| 8-1-74 | ACETONE RECLAIM | ? | actual 4044 4050 | | 84C-7990 | 4050 |
| 8-4-74 | SIS | SHIP | 700 GAL | OLB-15 | 84C-7991 | 4750 |
| 8-5-74 | SIS | SHIP | 820 GAL | OLB-17 | 84C-7992 | 5570 |
| 8-13-74 | SIS | SHIP | 4662 GAL | | 84C-7993 | 10232 |
| 8-20-74 | SIS | SHIP | 2794 GAL | OLB-39 PAGE 13 | 84C-7994 | 13026 |
| 8-22-74 | SIS | REC'D | ACTUAL 4000 6100 | OLB-47 | | — |
| 8-26-74 | SIS | SHIP | 4000 | OLB 51 | 84C-7995 | 17026 |
| 8-28-74 | SIS | REC'D | actual 3736 est 3550 | OLB 61 | | — |
| 8-29-74 | SIS | SHIP | 3,0550 LBS est 4392 gal | OLB 61 | 84C-7996 | 20762 |
| 9-4-74 | SIS/Waste | REC'D | 3140 LBS 4700 gal | | 94C-7990 | 25462 |
| 9-5-74 | SIS | SHIP | 30200 LBS 4314 GAL | OLB 82 | | — |
| 9-9-74 | SIS Waste | REC'D | 37090 LBS 5297 GAL | | | — |
| 9-17-74 | Acetone/waste | REC'D | 31280 LBS 4668 GAL | | 94C-7991 | 30130 |
| 9-12-74 | SIS | SHIP | 25280 LBS 3793 GAL | OLB 86 | 94C-7992 | 33903 |
| 9-13-74 | SIS Waste | REC'D | 11860 LBS 1770 GAL | OLB 97 | 94C-7993 | 35673 |
| 9-18-74 | SIS | SHIP | 31440 LBS 4692 gal | OLB 101 | 94C-7994 | 40365 |
| 9-20-74 | SIS | SHIP | 30540 LBS 4634 gal | | 104C-7990 | 44999 |
| 9-20-74 | SIS Waste | REC'D | 100 GAL 30329 LBS | | 104C-7991 | 45099 |
| 9-26-74 | SIS | SHIP | 4601 GAL 40620 LBS | | | 49700 |
| 10-1-74 | Acetone | SHIP | 29760 LBS | | 104C-7992 | 54216 |
| 10-1-74 | BLAB CONCENTRATE | SHIP | 4516 GAL | | | |
| 10-7-74 | Acetone | REC'D | | | | |
| 10-7-74 | Acetone | SHIP | | | | |
| 10-11-74 | Acetone | SHIP | | | | |

2

pd

1-7-75 pd

陸

12

79 810
101 810

Based on estimated
tare of 29,700

S/A-000142

(2)
FAS

| | DATE | MATERIAL | SHIPPED OR RECEIVED | QUANTITY | ASSAY REFERENCE | SIGMA LOT No. | Σ TOTAL SHIPPED |
|---------|----------|---------------|---------------------------|-----------------------------------|--------------------|------------------|--------------------|
| | 10-11-74 | SIS WASTE | REC'D | 48060 LB 6830 GAL 20240 LBS | | | |
| 11-6-74 | 10-18-74 | SIS | SHIP | 3012 GAL | | 104C-7993 | 57228 GAL |
| pd | 10-23-74 | SIS WASTE | REC'D | 30240 LBS 27437 GAL | | | |
| pd | 10-23-74 | SIS | SHIP | 17560 LBS 2597 GAL | | 104C-7994 | 59825 |
| | 11-4-74 | SIS | SHIP | 27120 LBS 4000 GAL | | 114C-7990 | 63825 |
| pd | 11-27-74 | SIS | SHIP | 31540 4052 GAL | | 114C-7991 | 68477 |
| | 11-13-74 | SIS WASTE | REC'D | wt 65000 GAL | | | |
| pd | 12-13-74 | ACETONE WASTE | REC'D | wt 65000 GAL | | | |
| | 1-21-75 | SIS WASTE | REC'D | 40100 LBS ~ 6000 GAL | 6000gal | | |
| | 4-14-75 | SIS | SHIP | 5107 gal 34320 LB | | 45C- | 5107 |
| | 4-14-75 | ACETONE WASTE | REC'D | 7000 GAL 46780 LB | 13000 | | |
| | 4-24-75 | ACETONE | SHIP | 5970 gal 39340 LB | | | 11037 |
| | 4-24-75 | SIS WASTE | REC'D | ~ 6900 GAL 46960 LB | 19900 | | |
| | 5-9-75 | ACETONE | SHIP | 22060 LB 3347 GAL | | | 14384 |
| | 5-9-75 | ACETONE WASTE | REC'D | 46680 LB ~ 7000 gal | 26,900 | | |
| | 6-10-75 | ACETONE | SHIP | 35440 LB 5378 GAL | | | 19762 |
| | 6-10-75 | SIS WASTE | REC'D | 46240 LB 6800 GAL | 33,700 | | |
| | 7-7-75 | SIS | SHIP | 33340 LB 4932 GAL | | | 24694 |
| | 7-7-75 | SIS WASTE | REC'D | 40500 LB ~ 5800 GAL | 39,500 | | |
| | 7-30-75 | SIS | SHIP | 30200 LB 4500 gal | | | 29194 |
| | 7-30-75 | SIS WASTE | REC'D | 31580 LB ~ 4600 gal | 44,100 | | |
| | 8-6-75 | SIS | SHIP | 30940 LB 4600 gal | | | 33794 |
| | 8-6-75 | SIS WASTE | REC'D | ~ 4600 gal 31140 LB | 48,700 | | |
| | 8-14-75 | SIS | SHIP | 4634 gal | | | 38428 |
| | 8-14-75 | SIS WASTE | REC'D | 32960 ~ 4600 gal | 53,300 | 48,500 | |
| | 8-14-75 | SIS WASTE | REC'D | 31060 ~ 4600 gal | 57,900 | 1400 | |
| | 8-28-75 | SIS | SHIP | 4622 gal | | 62,500 | 43050 |
| | 8-28-75 | SIS WASTE | REC'D | ~ 4600 gal | 62,500 | | |

S/A-000143

23795

PAS

| DATE | MATERIAL | FROM CLAYTON SHIPPED OR RECEIVED | QUANTITY | ASSAY REC'D | SIGMA LOT NO. | TOTAL SHIPPED YTD |
|--|------------|-------------------------------------|---------------------------|----------------|------------------|----------------------|
| 9-17-75 | SIS | SHIP | 31,100 LB 4630 gal | | 95C- | 47,680 |
| 9-17-75 | SIS | Rec'd | 33800 LB 4600 gal | 67,100 | | |
| 9-17-75 | SIS | Rec'd | 3650 gal | 70,750 | | |
| 10-2-75 | SIS | SHIP | 31200 LB 4642 gal | | | 52,322 |
| 10-2-75 | SIS | REC'D | 32980 LB ~4600 gal | 75,350 | | |
| 10-22-75 | SIS | SHIP | 29400 LB ~4375 gal | | | 56,697 |
| 10-22-75 | SIS | REC'D | 33160 LB ~4600 gal | 79,950 | | |
| 11-7-75 | SIS | SHIP | 18660 LB 2778 GAL | | | 59,473 |
| 11-7-75 | SIS | REC'D | 32580 LB 4600 GAL | 84,550 | | |
| 11-11-75 | SIS | SHIP | 7x55 gal = 385 | | | 59,858 |
| 11-12-75 | ACETONE | REC'D | 43100 6400 GAL | 90,950 | | |
| 11-20-75 | ACETONE | SHIP | 23700 3596 gal | | | 63,454 |
| 11-20-75 | SIS | SHIP | 18260 2717 gal | | | 66,171 |
| 11-20-75 | ACETONE | REC'D | 31600 LB 4600 gal | 95,550 | | |
| 12-4-75 | ACETONE | SHIP | 31420 LB 4768 gal | | | 70,939 |
| 12-4-75 | ACETONE | REC'D | 39580 LB ~5200 GAL | 100,750 | | |
| 12-11-75 | ACETONE | SHIP | 33400 5068 GAL | 106,550 | | 76,007 |
| 12-11-75 | SIS | REC'D | 39940 LB ~5200 GAL | 106,250 | | |
| 12-13-75 | SIS | SHIP | 19760 LB 2940 GAL | | 37850 | 78,947 |
| 12-19-75 | SIS | SHIP | 18980 LB 2820 GAL | | 161200 | 81,767 |
| 12-13-75 | SIS | REC'D | ~4200 GAL | 110,750 | | |
| 12-19-75 | SIS | REC'D | ~41240 LB 5800 | 114,550 | | |
| estimated inventory of finished reclaim SIS at Clayton as of 12-31-77 = 3850 gal | | | | | | |
| 1-16-76 | SIS | SHIP | 4490 30140 LB | | | |
| 1-16-76 | SIS (USED) | | 49880 LB ~6800 gal | 6800 | | |
| 2-16-76 | SIS | SHIP | 25460 3789 GAL | | | 8279 |
| 2-16-76 | ACE | REC'D | 48480 ~5500 gal | | S/A-000144 | |
| 3-15-76 | ACE | SHIP | 123440 | | | 11807 |
| 3-15-76 | ACE | REC'D | 3560 GAL 47760 6900 | 13,700 | | |

NO. 303 OF 303
 303 OF 303
 303 OF 303

IRAS

YTD

| DATE | MAT'L | SHIPPED OR REC'D | QUANTITY | CUM. TOTAL USED, GAL | LOT NO. | CUM. TOTAL RECEIVED, GAL | D. |
|-----------|------------|------------------|----------------------------------|----------------------|---------|--------------------------|----|
| 3-31-76 | ACETONE | SHIP | 33240 LB 5050 GAL | | 212 | 16,889 | 12 |
| 3-31-76 | SIS (USED) | REC'D | 38700 LB 36240 LB 5100 GAL | 18,800 | 112 | 25,711 | 12 |
| ✓ 4-16-76 | SIS | SHIP | 40200 LB 57500 GAL | | 112 | 22,339 | 12 |
| 4-16-76 | SIS (USED) | REC'D | 40200 LB ~ 5500 gal | 24,300 | | 27,999 | 2 |
| 5-6-76 | SIS | SHIP | 38080 LB 5660 gal | 29,800 | | | |
| 5-6-76 | SIS (USED) | REC'D | ~ 5500 gal 38700 LB | 33,700 | | | 1 |
| 5-6-76 | SIS (USED) | REC'D | 26800 LB ~ 3900 | 37,720 | | | 2 |
| 5-21-76 | SIS | SHIPPED | 27720 LB 4130 | | | 32,129 | 2 |
| 5-21-76 | SIS (USED) | REC'D | 38980 4820 gal | 38,520 | | | 2 |
| 6-4-76 | SIS | SHIPPED | 6600 gal 4200 gal | | | 38,729 | 2 |
| 6-4-76 | SIS (USED) | REC'D | ~ 29320 LB | 42,720 | | | 1 |
| 6-29-76 | SIS | SHIPPED | 29440 LB 4390 gal | | | 43,119 | 1 |
| 6-29-76 | SIS (USED) | REC'D | 35320 LB ~ 5000 gal | 47,720 | | | 1 |
| 7-14-76 | SIS | SHIPPED | 28700 LB 4260 | | | 47,379 | 1 |
| 7-14-76 | SIS (USED) | REC'D | 5750 gal 40,940 LB | 53,470 | | | 1 |
| 7-29-76 | SIS | SHIPPED | 35120 LB 5230 | | | 52,609 | 1 |
| 7-29-76 | SIS (USED) | REC'D | 38520 LB 5500 | 58,970 | | | 1 |
| 8-19-76 | SIS | SHIPPED | 25720 3830 | | | 56,439 | 1 |
| 8-19-76 | SIS (USED) | REC'D | 47020 6630 | 65,600 | | | 1 |
| 8-20-76 | SIS (USED) | REC'D | 23000 3360 | 68,960 | | | 1 |
| 9-9-76 | SIS | SHIPPED | 45040 LB 6700 GAL | | | 63,139 | 1 |
| 9-9-76 | SIS (USED) | REC'D | 47200 LB 6700 GAL | 75,660 | | | 1 |
| 10-13-76 | SIS | SHIPPED | 37180 LB 5540 | | | 68,679 | 1 |
| 10-13-76 | ACE (USED) | REC'D | 47160 ~ 6650 gal | 82,310 | | | 1 |
| 11-11-76 | ACE (USED) | REC'D | 50280 LB ~ 7200 | 89,510 | | | 1 |
| 11-23-76 | ACE | SHIPPED | 44460 LB 6750 gal | | | 75429 | 1 |
| 11-23-76 | SIS (USED) | REC'D | 43400 LB 6130 | 95,640 | | | 1 |
| 11-24-76 | ACE (USED) | REC'D | 41240 LB 5900 | 101,540 | | | 1 |

S/A-000145

S/A-000146

| DATE | MAT'L | SHIPPED OR REC'D | QUANTITY | YTD CUM. TOTAL, USED, GAL | LOT NO. | CUM TOTAL YTD, RECEIVING GALLONS |
|------------------------------------|-----------------|------------------------|--|------------------------------|--|--|
| 12-22-76 | ACETONE | SHIP | 44180 LB 6692 GAL | | | 88121 |
| 12-22-76 | USED ACETONE | REC'D | 50420 ~ 7200 GAL | 108740 | | |
| Inventory at Clayton as of 1-13-77 | | | ACE & SIS remaining as of 12-31-77 at Clayton = ZERO | | | |
| | | | 100 3000 gal SIS 101 3000 gal SIS 102 3000 gal SIS 103 3000 gal ACE 104 3000 gal ACE | | 105 MT BROWN'S STG 2000 gal SPARE MT 205 MT 206 MT | TRAILER MT REBOILER 300 gal ACE |
| 1-14-77 | SIS (USED) | REC'D | 36440 LB ~ 5000 GAL | 5000 | | |
| 2-3-77 | SIS (USED) | REC'D | 31120 LB ~ 4200 GAL | 9200 | | |
| 2-7-77 | ACETONE | SHIPPED | + 26800 LB 4067 GAL | | | 4067 |
| 2-18-77 | SIS | SHIP | 45400 LB 6750 GAL | | | 10817 |
| 2-18-77 | SIS (USED) | REC'D | 46980 LB 6700 GAL | 15900 | | |
| 4-14-77 | SIS | SHIP | 35020 LB 5210 GAL | | | 16027 |
| 4-14-77 | SIS (USED) | REC'D | 47400 LB 6700 GAL | 22600 | | |
| + 4-22-77 | ACETONE | REC'D | 35420 LB 5060 GAL | 27660 | | |
| 5-3-77 | SIS | SHIP | 34240 LB 5100 GAL | | | 21127 |
| 5-3-77 | SIS (USED) | REC'D | 48660 LB 21620 GAL | 32460 | | |
| 5-11-77 | ACETONE | SHIP | + 3280 GAL 36320 LB | | | 24407 |
| 5-11-77 | SIS (USED) | REC'D | 5150 GAL 45100 LB | 37610 | | |
| 6-1-77 | SIS | SHIP | 4730 GAL 47600 LB | | 63940 10060 | 31137 |
| 6-1-77 | SIS (USED) | REC'D | 46750 GAL 33260 LB | 44360 | | |
| 6-17-77 | SIS | SHIP | 4950 GAL 46800 LB | | | 36087 |
| 6-17-77 | SIS (USED) | REC'D | 6540 GAL 34820 LB | 50900 | | |
| 6-28-77 | SIS | SHIP | 5180 GAL 38580 LB | | | 41267 |
| + 6-28-77 | Ace (USED) | REC'D | 5000 GAL 23820 LB | 55900 | | |
| 7-7-77 | Ace | SHIP | 3670 GAL 47200 LB | | | 44937 |
| 7-7-77 | SIS (USED) | REC'D | 6700 GAL 36740 LB | 62600 57000 | | |
| 7-26-77 | SIS | SHIP | 5470 GAL 39500 LB | | | 50352 |
| 7-26-77 | SIS (USED) | REC'D | 5870 GAL 37060 LB | 68470 | | 59477 |
| 8-9-77 | SIS | SHIP | 6516 GAL 85500 LB | | | 55867 |
| 8-9-77 | SIS (USED) | REC'D | 37000 LB | 74000 | | |

| DATE | MAT'L | SHIPPED RCVD | QUANTITY | CUM. TOTAL USED, GAL | LOT NO. | CUM. TOTAL RECLAIMED GAL. STD |
|-------------------------------------|--------------------------|-----------------|-----------------------------------|-------------------------|---------|-------------------------------------|
| 8-26-77 | SIS | SHIPPED | 26,800 [±] 39,886 GAL | | | 57,885 |
| ✓ 8-26-77 | SIS (USED) | RCVD | 45,940 LB. 6,500 GAL | 80,500 | | |
| ✓ 9-8-77 | SIS (USED) | RCVD | 39,020 LB. ~5,500 GAL | 86,000 | 61,000 | |
| 10-3-77 | SIS | SHIPPED | 44,720 LB. 6,655 GAL | | | 66,530 |
| 10-12-77 | SIS | SHIPPED | 37,840 5,630 GAL | | | 72,160 |
| 10-12-77 | RECL. E-COLOR ACETONE | RCVD | 32,220 LB. 4,890 GAL | 91,890 | | |
| 10-17-77 | ACETONE | SHIPPED | 30,300 LB. 4,500 GAL | | 17090 | 76,660 |
| 10-17-77 | ACETONE | RCVD | 48,180 6,700 GAL | 98,590 | 18,800 | 140 |
| 11-4-77 | ACETONE | RCVD | 37,000 [±] ~5,500 GAL | 104,090 | 12,000 | |
| ✓ 11-11-77 | ACETONE | RCVD | 48,340 6,900 GAL | 110,890 | 35,090 | |
| | ACETONE | SHIPPED | 673 [±] 4,400 GAL | | | |
| RECLAIMED SOLVENT AT CLAYTON = 2000 | | | | | | |
| USED SIS AT CLAYTON = 12,000 GAL | | | | | | |
| 1-8-78 | SIS USED | RCVD | 41,110 [±] 5,830 GAL | 5,830 | | |
| 1-9-78 | SIS | SHIPPED | 31,480 [±] 4,685 GAL | | | 4685 |
| 1-9-78 | ACETONE | RCVD | 35,600 [±] ~4,950 | 10,780 | | |
| 1-17-78 | ACETONE | SHIPPED | 22,880 [±] 3,472 GAL | | | 7855 |
| 1-17-78 | SIS | SHIPPED | 26,960 [±] 4,012 GAL | | | 11,867 |
| 1-17-78 | ACETONE | RCVD | 28,460 [±] 4,065 | 14,845 | | |
| 1-26-78 | ACETONE | SHIPPED | 22,360 [±] 3,393 GAL | | | 15,560 |
| 1-26-78 | ACETONE | RCVD | 28,320 4,165 GAL | 18,650 | | |
| 2-8-78 | SIS | SHIPPED | 18,600 [±] 2,768 GAL | | | 18,330 |
| 2-8-78 | SIS (USED) | RCVD | 47,140 [±] 6,715 GAL | 25,365 | | |
| 2-8-78 | ACETONE | SHIPPED | 23,500 [±] 3,566 GAL | | | 21,896 |
| 2-27-78 | SIS (USED) | RCVD | ~7,000 [±] 6,500 GAL | 31,865 | | |
| 2-27-78 | SIS | SHIPPED | 4,410 [±] 6563 | | | 28,457 |

S/A-000147

| DATE | MARK | RCVD. OR SHIPPED | QUANTITY | CUM. TOTAL USED GAL | Lot # | CUM. TOTAL REC. YTD. GALS |
|---------|----------------|---------------------------------|----------------------|---------------------|-------|---------------------------|
| 3-14-78 | SIS | 46,320# 6893 GAL | 46,320# 6893 | | | 35,352 |
| 3-14-78 | SIS (USED) | RCVD. | 48420 6890 GAL | 38,755 | | |
| 3/30/78 | SIS | 48,460# 4015 GAL | 26,980# 48,460# | | | 39,367 |
| 3/30/78 | SIS (USED) | 48,460# ~6900 GAL | ~6900 GAL | 45,655 | | |
| 4/13/78 | SIS | SHIPPED | 19,120# 2845 GAL | | | 42,512 |
| 4/13/78 | SIS (USED) | RCVD. | 36,080# 5140 GAL | 50,795 | | |
| 4/13/78 | SIS (USED) | RCVD. | 35520 5060 GAL | 55,855 | | |
| 4/25/78 | SIS | SHIPPED | 45,940# 6836 GAL | | | 49048 |
| 5/3/78 | SIS | SHIPPED | 33060# 4920 GAL | | | 53968 |
| 5/3/78 | SIS (USED) | RCVD. | 48380# 6500 GAL | 62,355 | | |
| 5/16/78 | SIS | SHIPPED | 40,400# 60120 GAL | 60120 | | 59980 |
| 5/16/78 | ACETONE (USED) | RCVD. | 46,220# 6610 GAL | 68,965 | | |
| 5/22/78 | ACETONE | SHIPPED | 32,740# 4968 GAL | | | 64948 |
| 5/22/78 | ACETONE (USED) | RCVD. | 38,060# 5600 GAL | 74,565 | | |
| 5/30/78 | ACETONE | SHIPPED | 33,200# 5038 GAL | | | 69,986 |
| 5/30/78 | SIS (USED) | RCVD. | 47,700# 6500 GAL | 81,065 | | |
| 6/9/78 | SIS | SHIPPED | 44,840# 6673 GAL | | | 76,659 |
| 6/9/78 | SIS (USED) | RCVD. | 47,680# 6700 GAL | 87,765 | | |
| 6/22/78 | SIS (USED) | RCVD. | 46,200# 6500 GAL | 94,265 | | |
| 6/29/78 | SIS | SHIPPED | 44,840# 6673 GAL | | | 83,332 |
| 6/29/78 | SIS (USED) | RCVD. | 47,480# 6500 GAL | 100,765 | | 100,765 |
| 7/10/78 | SIS | SHIPPED | 44,880# 6679 GAL | | | 90,011 |
| 7/10/78 | SIS (USED) | RCVD. | 46,800# 6600 GAL | 107,365 | | |
| 8/7/78 | SIS | SHIPPED | 45,000# 6696 GAL | | | 96,702 |
| 8/7/78 | ACETONE (USED) | RCVD. | 46,140# 6800 GAL | 114,165 | | 1 |
| 8/23/78 | SIS | SHIPPED | 41,740# 6211 GAL | | | 102,918 |
| 8/29/78 | SIS (USED) | RCVD. | 47,540# 6600 GAL | 120,765 | | |
| 9/6/78 | ACETONE | SHIPPED | 34,460# 5229 GAL | | | 108,147 |
| 9/15/78 | ACETONE (USED) | RCVD. | 46,760# 6700 GAL | 127,465 | | |

1979

| DATE | MAT'L | SHIPPED RCVD | QUANTITY | Y.T.D. CUM. TOTAL USED | Y.T.D. TOTAL RECL. CUM. |
|---------|------------------------|-----------------|----------------------|---------------------------|----------------------------|
| 2/8/79 | SIS (USED) | RCVD. | 48,300# 6,800 GAL | 6,800 GAL | |
| 2/20/79 | SIS (USED) | SHIPPED ✓ | 39,660# 5,902 GAL | | 5,902 |
| 2/20/79 | ACETONE | RCVD. | 49,880# 6,800 GAL | 13,300 | |
| 3/5/79 | ACETONE | SHIPPED + | 35,700# 5,417 GAL | | 11,319 |
| 3/5/79 | SIS (USED) | RCVD. | 6,700 GAL 47,620# | 20,000 | |
| 3/15/79 | SIS | SHIPPED ✓ | 47,500# 6,800 GAL | | 18,119 |
| 3/15/79 | SIS (USED) | RCVD ✓ | 49,200# 6,800 GAL | 26,800 | |
| 4/16/79 | SIS (USED) | SHIPPED ✓ | 40,380# 6,009 GAL | | 24,128 |
| 4/16/79 | ACETONE | RCVD. | 47,240# 6,800 GAL | 33,600 | |
| 4/23/79 | ACETONE | SHIPPED + | 36,160# 5,487 GAL | | 29,615 |
| 4/23/79 | SIS (USED) | RCVD ✓ | 46,780# 6,600 GAL | 40,200 | |
| 5/11/79 | SIS | SHIPPED ✓ | 44,780# 6,669 GAL | | 36,279 |
| 5/11/79 | SIS (USED) | RCVD ✓ | 41,860# 5,804 GAL | 46,104 | |
| 5/18/79 | SIS | SHIPPED | 6,003 GAL | | 42,282 |
| 5/18/79 | ACETONE RCVD (USED) | RCVD. | 42,320# 5,900 GAL | 52,004 | |
| 5/29/79 | ACETONE | SHIPPED + | 29,760# 4,616 GAL | | 46,798 |
| 5/29/79 | SIS (USED) | RCVD. | 43,200# 6,150 GAL | 58,154 | |
| 6/8/79 | SIS | SHIPPED ✓ | 44,240# 6,583 GAL | | 53,381 |
| 6/8/79 | ACETONE USED | RCVD | 42,060# 6,000 GAL | 64,154 | |
| 6/18/79 | SIS | RCVD. | 43,360# 6,000 GAL | 70,174 | |
| 6/26/79 | ACETONE | SHIPPED + | 32,820# 4,980 GAL | | 58,361 |
| 6/26/79 | SIS (USED) | RCVD ✓ | 45,020# 6,000 GAL | 76,174 | |
| 7/5/79 | SIS | SHIPPED ✓ | 44,120# 6,665 GAL | | 64,926 |
| 7/5/79 | SIS (USED) | RCVD. | 43,820# 6,000 GAL | 82,174 | |
| 7/18/79 | SIS | SHIPPED ✓ | 41,980# 6,247 GAL | | 71,173 |
| 7/18/79 | ACETONE (USED) | RCVD | 43,300# 6,000 GAL | 88,174 | |
| 7/26/79 | ACETONE | SHIPPED + | 31,600# 4,795 GAL | | 75,968 |
| 7/26/79 | SIS (USED) | RCVD. | 43,040# 6,000 GAL | 94,174 | |

S/A-000150

| DATE | MAT'L | SHIPPED RCVD. | QUANTITY | Y.T.D CUM. TOTAL USED | Y.T.D CUM. TOTAL REC'D | |
|--------------------------|-----------------------------|------------------|---------------------|--------------------------|---------------------------|---|
| 8/8/79 | SIS | SHIPPED | 40,602# 6042 GAL | | 82,010 | 1 |
| 8/8/79 | SIS USED | RCVD | 43,000 6000 GAL | 809,174 | | 1 |
| 8/24/79 | SIS | SHIPPED | 34040# 5066 GAL | | 87,075 | 1 |
| 8/24/79 | SIS (USED) | RCVD | 35540 5000 GAL | 1,05,174 | | 1 |
| 9/6/79 | SIS | SHIPPED | 45220 6729 GAL | | 93,804 | 6 |
| 9/6/79 | SIS USED | RCVD | 43620 6000 GAL | 1,11,174 | | 2 |
| 9/6/79 | ACETONE USED | RCVD | 43,330# 6000 GAL | 1,17,174 | | 2 |
| 9/13/79 | ACETONE | SHIPPED | 28,940# 4392 | | 98,196 | 2 |
| 9/13/79 | SIS (USED) | RCVD | 43,080# 6000 GAL | 1,23,174 | | 2 |
| 9/26/79 | SIS | SHIPPED | 44580# 6631 GAL | | 104,830 | 2 |
| 9/26/79 | SIS (USED) | RCVD | 43,900# 6100 GAL | 1,29,274 | | 2 |
| 10/3/79 | SIS | SHIPPED | 33080# 4923 GAL | | 109,753 | 2 |
| 10/3/79 | SIS (USED) | RCVD | 47520 6700 GAL | 1,36,274 | | 2 |
| 10/17/79 | ACETONE YELLOW RECLAIMED | RCVD | 43308# 6572 GAL | 1,42,546 | | 2 |
| TOTAL SHIPPED | | | | | | |
| 10/19/79 | SIS | SHIPPED | 45420# 6759 GAL | | 116,512 | 3 |
| 10/19/79 | ACETONE USED | RCVD | 46620# 6600 GAL | 1,49,146 | | |
| 10/25/79 | ACETONE | SHIPPED | 42120# 6392 GAL | | 122,904 | |
| 10/25/79 | ACETONE (USED) | RCVD | 47,000# 6700 GAL | 1,55,846 | | |
| 11/2/79 | ACETONE | SHIPPED | 40,640# 6167 GAL | | 129,071 | |
| 11/2/79 | SIS (USED) | RCVD | 48,660 6700 GAL | 1,62,546 | | |
| 11/15/79 | SIS | SHIPPED | 34,500# 5134 GAL | | 134,205 | |
| 11/15/79 | ACETONE (USED) | RCVD | 46,500# 6600 GAL | 1,69,149 | | |
| 11/29/79 | ACETONE | SHIPPED | 26,000# 3945 GAL | | 138,450 | |
| 11/29/79 | SIS (USED) | RCVD | 41,700# 5600 GAL | 1,74,746 | | |
| 12/10/79 | ACETONE (USED) | RCVD | 47,320# 6600 GAL | 1,81,346 | | |
| TOTAL SHIPPED | | | | | | |
| TOTAL SHIPPED | | | | | | |

| | DATE | MAT'L | SHIPPED RCVD. | QUANTITY | Y.T.D. USED CUM. USED | Y.T.D. TOTAL REL |
|---|---------|---------------------------|------------------|------------------------------|--------------------------|---------------------|
| | 1/24/80 | SIS | SHIPPED | 3943 GAL 26500# 49620# | | 3943 |
| | 1/24/80 | ACETONE (USED) | RCVD. + | 6700 GAL | 6700 | |
| | 1/29/80 | ACETONE | SHIPPED | 45100# 6844 GAL | | 10,787 |
| | 1/29/80 | ACETONE (USED) | RCVD. + | 48240# 6800 GAL 43940# | 13,500 | |
| 4 | 2/8/80 | ACETONE | SHIPPED | 6668 GAL | | 17,445 |
| | 2/8/80 | ACETONE (USED) | RCVD. + | 29960# 5600 GAL | 19,100 | |
| | 2/14/80 | SIS (USED) | RCVD | ✓ 48,460# 6700 GAL | 25,800 | |
| | 2/15/80 | ACETONE | SHIPPED | 29480# 4473 GAL | | 26,918 |
| | 2/15/80 | SIS (USED) | RCVD | ✓ 47340# 6700 GAL | 32,500 | |
| | 2/15/80 | SIS (USED) | SHIPPED | 6500 GAL | 32,258 | 28,418 |
| | 2/15/80 | * RECH ACETONE (BAD ODOR) | RCVD. + | 41240# 6258 GAL | 32,258 | |
| 3 | 2/22/80 | ACETONE | SHIPPED | 35,300# 5357 GAL | | 33,775 |
| | 2/22/80 | RECH ACETONE BAD ODOR | RCVD. + | 25,500# 3869 GAL | 42,627 75,127 | |
| | 2/29/80 | ACETONE | SHIPPED | 30060# 4865 GAL | | 38,640 |
| | 2/29/80 | SIS (USED) | RCVD | ✓ 35680# 5000 GAL | 47,627 52,627 | |
| 2 | 3/6/80 | SIS | SHIPPED | 45820# 6863 GAL | | 45,458 |
| | 3/6/80 | SIS (USED) | RCVD | ✓ 48060# 6900 GAL | 54,527 57,627 | |
| | 3/26/80 | SIS | SHIPPED | 28940# 4307# | | 49,765 |
| | 3/26/80 | ACETONE (USED) | RCVD + | 42080# 6700 GAL | 61,227 | |
| | 4/2/80 | ACETONE | SHIPPED | 32540# 4938 GAL | | 54,703 |
| | 4/14/80 | SIS (USED) | RCVD | ✓ 39120# 5800 GAL | 67,027 | |
| 3 | 4/29/80 | ACETONE | SHIPPED | 30140# 4574 GAL | | 59,277 |
| | 4/29/80 | SIS (USED) | RCVD | ✓ 34140# 5000 GAL | 72,027 | 65,223 |
| | 5/1/80 | SIS | SHIPPED | 39960# 5946 GAL | | 65,715 |
| | 5/1/80 | SIS (USED) | RCVD | ✓ 45500# 6500 GAL | 78,527 | |
| | 5/13/80 | SIS | SHIPPED | 45060# 6705 GAL | | 71,928 |
| | 5/13/80 | SIS (USED) | RCVD | ✓ 46940# 6700 GAL | 85,227 | |
| | 5/2/80 | WASTE | | | | |
| | | | | 35,800 SIS used | 25,800 ac. d. | |

35,927
37,719

| | | | Y.T.D. CUM. TOTAL USED | Y.T.D. CUM. R/E | 12 |
|----------|----------------|---------|---------------------------|--------------------|----|
| 6/9/80 | SIS | SHIPPED | 4813 GAL | 76,741 | 12 |
| 6/9/80 | ACETONE | SHIPPED | 31720 | | |
| 6/9/80 | SIS (USED) | RCVD | 6700 GAL 471940 | 91,927 | |
| 6/3/80 | SIS | SHIPPED | 5905 GAL 39680 | 82,646 | |
| 6/3/80 | SIS (USED) | RCVD | 6600 GAL 46200 | 98,527 | |
| 7/2/80 | SIS | SHIPPED | 43800 6518 GAL | 89,164 | |
| 7/2/80 | SIS (USED) | RCVD | 5321 GAL 351760 | | |
| 7/10/80 | SIS | SHIPPED | 6600 GAL 45920 | | |
| 7/2/80 | SIS (USED) | RCVD | 46980 5324 GAL | 105,127 | |
| 7/10/80 | SIS | SHIPPED | 35780 6600 GAL | 94,488 | |
| 7/10/80 | SIS (USED) | RCVD | 415,920 5600 GAL | 111,727 | |
| 7/25/80 | SIS (USED) | RCVD | 38260 35480 | 117,327 | |
| 8/13/80 | SIS | SHIPPED | 6280 GAL 32660 | 99,768 | |
| 8/13/80 | ACETONE (USED) | RCVD | 5000 GAL | 122,327 | |
| 8/21/80 | ACETONE | SHIPPED | 24080 3654 GAL | 103,422 | |
| 8/21/80 | SIS (USED) | RCVD | 42240 6500 GAL | 128,827 | |
| 9/16/80 | SIS | SHIPPED | 44840 6673 GAL | 110,095 | |
| 9/16/80 | ACETONE (USED) | RCVD | 39120 5600 GAL | 134,427 | |
| 9/23/80 | ACETONE | SHIPPED | 29340 4452 GAL | 114,547 | |
| 9/23/80 | SIS (USED) | RCVD | 46920 6600 GAL | 141,027 | |
| 10/6/80 | SIS | SHIPPED | 44200 6577 | 57121,124 | |
| 10/6/80 | SIS (USED) | RCVD | 44000 6500 GAL | 147,527 | |
| 10/23/80 | SIS | SHIPPED | 46140 6717 | 127,841 | |
| 11/4/80 | SIS | SHIPPED | 34140 5080 GAL | 132,921 | |
| 11/4/80 | ACETONE (USED) | RCVD | 34000 GAL | 154,127 | |
| 11/14/80 | ACETONE | SHIPPED | 46134 34180 | 138,108 | |
| 11/14/80 | ACETONE (USED) | RCVD | 5187 GAL 44440 | 160,227 | |
| 12/11/80 | ACETONE | SHIPPED | 6100 GAL 33060 | 143,125 | |
| 12/11/80 | SIS (USED) | RCVD | 5017 GAL 46900 | 166,827 | |

60,842

65

- 27

GAL

ACETONE

SHIPPED

59,227

1

11

RCVD

| | | | | | |
|--------|----------|------------|---------|--------------------|---------|
| 407 | 12/31/80 | SIS | SHIPPED | 42,280# 6887GAL | 150,012 |
| 41 | 12/31/80 | SIS (USED) | RCVD | 48,460# 6800GAL | 173,627 |
| 46 | | | | | |
| 4 | | | | | |
| 8 | | | | | |
| 8 | | | | | |
| 422 | | | | | |
| 95 | | | | | |
| 47 | | | | | |
| 21,124 | | | | | |
| 841 | | | | | |
| 921 | | | | | |
| 108 | | | | | |
| 125 | | | | | |

S/A-000154

S/A-000155

| DATE | MAT'L | ACVD. OR SHIPPED | QUANTITY | Y.T.D. CUM TOTAL USED | Y.T.D. CUM TOTAL REC'D |
|---------|----------------|------------------|---------------------|-----------------------|------------------------|
| 1/29/81 | SIS | SHIPPED | 4771 GALS | | 4771 |
| 1/29/81 | ACETONE (USED) | RCVD | 32,280# 4750 GAL | 4750 (5) | |
| 2/10/81 | ACETONE | SHIPPED | 26,880# 4092 GAL | | 8868 |
| 2/10/81 | " (USED) | RCVD | 48,460# 6600 GAL | 11,350 (2) | |
| 2/19/81 | ACETONE | SHIPPED | 32,740# 4968 GAL | | 13,836 |
| 2/19/81 | ACETONE (USED) | RCVD | 46180# 6600 GAL | 17,950 (3) | |
| 3/5/81 | SIS (USED) | RCVD | 47580# 6600 GAL | 24,540 | 24,085 |
| 3/13/81 | ACETONE (REC) | SHIPPED | 34,800 5,281 GAL | | 18,117 |
| 4/14/81 | SIS | SHIPPED | 45,400# 6756 GAL | | 25,873 |
| 4/14/81 | ACETONE (USED) | RCVD | 50240# 6700 GAL | 31,250 (4) | 30,168 |
| 4/27/81 | ACETONE | SHIPPED | 28,420# 4313 GAL | | 35,150 |
| 4/27/81 | SIS (USED) | RCVD | 47940# 6600 GAL | 237,850 | 36,731 |
| 5/6/81 | SIS | SHIPPED | 43980# 6545 GAL | | 44,699 |
| 5/6/81 | SIS (USED) | RCVD | 46860# 6600 GAL | 344,450 | |
| 5/15/81 | SIS (USED) | RCVD | 48380# 6700 GAL | 561,150 | 413,297 |
| 5/9/81 | SIS | SHIPPED | 44100# 6566 GAL | | 482,65 |
| 6/23/81 | ACETONE (USED) | RCVD | 46,260# 6700 GAL | 57,850 (5) | 43,389 |
| 6/30/81 | SIS | SHIPPED | 40940# 6092 GAL | | 54,357 |
| 7/9/81 | ACETONE | SHIPPED | 34280# 5202 GAL | | 54,871 |
| 7/9/81 | ACETONE (USED) | RCVD | 47660# 6600 GAL | 64,450 (6) | 59,545 |
| 7/16/81 | ACETONE | SHIPPED | 32540# 4938 GAL | | 59,529 |
| 7/16/81 | ACETONE (USED) | RCVD | 46920# 6500 GAL | 70,950 (8) | 64,497 |
| 7/27/81 | ACETONE | SHIPPED | 30360# 4606 GAL | | 64,135 |
| 7/27/81 | SIS (USED) | RCVD | 46840# 6600 GAL | 87,550 | 64,103 |
| 7/30/81 | SIS | SHIPPED | 28820# 4289 GAL | | 68,424 |
| 7/30/81 | SIS (USED) | RCVD | 48260# 6600 GAL | 84,150 | 73,392 |
| 8/25/81 | SIS | SHIPPED | 44040# 6554 | | 74,978 |
| 8/25/81 | ACETONE (USED) | RCVD | 451360# 6600 GAL | 90,750 (7) | 77,446 |
| 9/1/81 | ACETONE | SHIPPED | 37080# 5627 GAL | | 80,605 |
| 9/1/81 | SIS (USED) | RCVD | 45980# 6600 GAL | 97,350 | 85,573 |

59,032

1157

S/A-000156

RECEIVED
FEB 11 1981
FBI
LABORATORY

| DATE | MAT'L | RCVD OR SHIPPED | QUANTITY | YTD CUMI TOTAL USED | YTD CUM TOTAL RECL | DATE |
|----------|----------------|-----------------|--------------------|---------------------|--|--------|
| 9/21/81 | SIS | SHIPPED | 44,400# 6607GAL | | 92,180 | 4/26/8 |
| 9/21/81 | ACETONE (USED) | RCVD. | 47,260# 6600GAL | 103,950 | 87,212 | 4/26/8 |
| 9/29/81 | ACETONE | SHIPPED | 33840# 5135GAL | | 92,347 97,315 | 4/27/ |
| 9/29/81 | SIS (USED) | RCVD. | 6600GAL | 110,550 | 97,624 | 5/14/ |
| 10/6/81 | SIS | SHIPPED | 35460# 5277GAL | | 102,592 | 5/14/ |
| 10/14/81 | SIS (USED) | RCVD. | 46720# 6700GAL | 117,250 | 104,216 | 5/28 |
| 10/20/81 | SIS | SHIPPED | 44300# 6592GAL | | 109,184 | 6/9/ |
| 10/20/81 | ACETONE (USED) | RCVD. | 46540# 6600GAL | 123,850 | | 6/14 |
| 10/28/81 | ACETONE (USED) | RCVD. | 41200# 6130GAL | 129,980 | | 6/14 |
| 11/9/81 | ACETONE | SHIPPED | 34680# 5263GAL | | 109,479 | 6/23 |
| 11/9/81 | ACETONE (USED) | RCVD. | 37,100# 5300GAL | 135,280 | | 6/23 |
| 11/16/81 | SIS | SHIPPED | 27260# 4057GAL | | 113,536 | 7/8/ |
| 11/16/81 | ACETONE | SHIPPED | 33620# 5102GAL | | 118,548 | * 7/13 |
| 11/20/81 | SIS | SHIPPED | 32740# 4872 | | 123,420 | 7/1 |
| 11/30/81 | SIS (USED) | RCVD. | 47000# 6600GAL | 141,880 | | 7/16 |
| 11/30/81 | SIS (USED) | RCVD. | 45040# 6500GAL | 148,300 | | 7/1 |
| 12/4/81 | SIS | SHIPPED | 44840# 6673GAL | | 130,093 | 7/2 |
| 12/4/81 | SIS (USED) | RCVD. | 43600# 6100GAL | 154,400 | | 7/2 |
| 1/8/82 | ACETONE | SHIPPED | 34760# 5275GAL | | 5275 | 8/1 |
| 1/8/82 | SIS (USED) | RCVD. | 47560# 6600GAL | 6600 | | 9/1 |
| 2/2/82 | ACETONE (USED) | RCVD. | 42960# 6100GAL | 12,700 | | 9/1 |
| 3/9/82 | ACETONE | SHIPPED | 34440# 5226GAL | | 10,501 | 9/1 |
| 3/14/82 | ACETONE (USED) | RCVD. | 38340# 6000GAL | 18,700 | | 9/1 |
| 3/26/82 | ACETONE | SHIPPED | 30040# 4558GAL | | 15,059 | 9/2 |
| 3/26/82 | ACETONE (USED) | RCVD. | 49420# 6500GAL | 25,200 | | 9/1 |
| 4/2/82 | ACETONE | SHIPPED | 30360# 4607GAL | | 19,765 | |
| 4/2/82 | ACETONE (USED) | USED | 6600GAL | 31,800 | | * |

| | DATE | MAT'L | RCVD. OR SHIPPED | QUANTITY | Y.T.D. CUM TOTAL USED | Y.T.D. CUM TOTAL RECD. |
|----|-----------|---------------|------------------------|---------------------|--------------------------|---------------------------|
| | 4/26/82 | SIS | SHIPPED | 26980# 4015 GAL | | 26,780 |
| | 4/26/82 | ACETONE(USED) | RCVD. | 43780# 6400 GAL | 38,200 | |
| | 4/27/82 | ACETONE | SHIPPED | 37480# 5687 GAL | | 29,467 |
| | 5/14/82 | SIS | SHIPPED | 45020# 6699 GAL | | 36,166 |
| | 5/14/82 | SIS(USED) | RCVD. | 48180# 6800 GAL | 45,000 | |
| | 5/28/82 | SIS | SHIPPED | 37880# 4149 GAL | | 40,315 |
| | 6/9/82 | SIS(USED) | RCVD. | 49,380# 6700 GAL | 51,700 | |
| | 6/14/82 | SIS | SHIPPED | 44,500# 6622 GAL | | 49,937 |
| | 6/14/82 | ACETONE(USED) | RCVD. | 44,280# 6200 GAL | 57,900 | |
| 79 | 6/23/82 | ACETONE | SHIPPED | 43280# 6568 GAL | | 53,505 |
| | 6/23/82 | ACETONE(USED) | RCVD. | 35540# 5500 GAL | 63,400 | |
| 36 | 7/8/82 | SIS(USED) | RCVD. | 47,300# 6600 GAL | 70,000 | |
| 8 | * 7/13/82 | ACETONE | SHIPPED | 6000 GAL | | 59,505 |
| 28 | 7/16/82 | SIS | SHIPPED | 43,540# 6479 GAL | | 65,974 |
| | 7/16/82 | SIS(USED) | RCVD. | 37,980# 6000 GAL | 76,000 | |
| | 7/16/82 | SIS(USED) | RCVD. | 46180# 6500 GAL | 82,500 | |
| 93 | 7/28/82 | SIS(USED) | RCVD. | 44,200# 6500 GAL | 89,000 | |
| | 7/28/82 | SIS | SHIPPED | 35,480# 5723 GAL | | 71,697 |
| | 8/18/82 | SIS | SHIPPED | 44660# 6646 GAL | | 78,343 |
| | 8/18/82 | SIS(USED) | RCVD. | 41120# 6100 GAL | 95,100 | |
| | 9/10/82 | SIS | SHIPPED | 45120# 6784 GAL | | 85,057 |
| | 9/10/82 | SIS(USED) | RCVD. | 46,840# 6600 GAL | 101,700 | |
| | 9/13/82 | ACETONE(USED) | RCVD. | 46,280# 6600 GAL | 108,300 | |
| | 9/17/82 | ACETONE | SHIPPED | 41,920# 6361 GAL | | 91,418 |
| | 9/17/82 | SIS(USED) | RCVD. | 47,440# 6600 GAL | 114,900 | |
| | 9/23/82 | SIS | SHIPPED | 34,300# 5104 GAL | | 96,522 |
| | 9/23/82 | ACETONE(USED) | RCVD. | 34,240# 5000 GAL | 119,900 | |

*

DICKEN

UP

RV

SUPERIOR

SIA-000157

| DATE | MAT'L | SHIPPED RCVD | Q QUANTITY | Y.T.D. CUM. TOTAL USED | Y.T.D. CUM. TOTAL REC'D | DATE |
|----------|----------------------|-----------------|---------------------|---------------------------|----------------------------|-------|
| 10/1/82 | OFF COLOR ACETONE | RCVD. | 42,740# 6486 GAL | 126,386 | | 7/6/8 |
| 10/5/82 | ACETONE | SHIPPED | 36,440# 5530 GAL | | 102,052 | 7/6/8 |
| 10/8/82 | DIRTY ACETONE | RCVD | 36,120# 5481 GAL | 131,867 | | 7/21 |
| 10/11/82 | ACETONE | SHIPPED | 36,160# 5487 GAL | | 107,539 | 8/9/8 |
| 10/14/82 | ACETONE | SHIPPED | 36,520# 5542 GAL | | 113,081 | 8/9/8 |
| 10/14/82 | ACETONE(USED) | RCVD | 44,460# 6600 GAL | 138,467 | | 8/21 |
| 11/4/82 | SIS | SHIPPED | 35,520# 5286 GAL | | 118,367 | 8/21 |
| 11/4/82 | ACETONE(USED) | RCVD | 25,600# 4500 GAL | 142,967 | | 8/24 |
| 11/12/82 | ACETONE | SHIPPED | 44,380# 6735 GAL | | 125,101 | 8/24 |
| 11/12/82 | SIS(USED) | RCVD | 48,800# 6600 GAL | 149,567 | | 8/31 |
| 12/16/82 | ACETONE | RCVD | 46,340# 6500 GAL | | | 9/21 |
| | | | 1983 | | | 9/21 |
| 1/20/83 | ACETONE | SHIPPED | 34,900# 5296 GAL | | 5296 | 9/91 |
| 1/20/83 | ACETONE(USED) | RCVD | 25,520# 4500 GAL | 4500 | | 9/16 |
| 4/15/83 | SIS | SHIPPED | 30,240# 4500 GAL | | 9996 | 9/22 |
| 4/15/83 | SIS(USED) | RCVD | 39,340# 5400 GAL | 9900 | | 9/2 |
| 4/25/83 | SIS | SHIPPED | 40,279# 5994 GAL | | 15,790 | 9/28 |
| 5/17/83 | ACETONE | SHIPPED | 27,184# 4125 GAL | | 19,915 | 9/29 |
| 5/18/83 | ACETONE(USED) | RCVD | 38,400# 5600 GAL | 15,500 | | 10/1 |
| 5/18/83 | SIS(USED) | RCVD | 46,760# 6500 GAL | 22,000 | | 10/1 |
| 5/31/83 | SIS | SHIPPED | 21,143# 4188 GAL | | 24,103 | 10/1 |
| 6/17/83 | ACETONE | SHIPPED | 28,960# 4546 | | 28,649 | 10/1 |
| 6/17/83 | SIS(USED) | RCVD | 46,800# 6500 GAL | 28,500 | | 10/2 |
| 6/23/83 | SIS | SHIPPED | 35,616# 5300 GAL | | 33,949 | 10/1 |
| 6/23/83 | ACETONE(USED) | RCVD | 37,125# 5500 GAL | 34,000 | | 12/1 |
| 6/27/83 | SIS(USED) | RCVD | 43,040# 6000 GAL | 40,000 | | 12/1 |

S/A-000158

2012342 2 18 9 02222

| | DATE | MAT'L | SHIPPED OR RCVD. | QUANTITY | Y.T.D. Cum. TOTAL USED | Y.T.D. Cum TOTAL PROCESS |
|----|----------|--------------------------------------|------------------------|----------------------|---------------------------|-----------------------------|
| | 7/6/83 | SIS | SHIPPED | 36,360# 5411 GAL | | 39,360 |
| | 7/6/83 | ACETONE(USED) | RCVD. | 5500 GAL | 45,500 | |
| | 7/21/83 | ACETONE | SHIPPED | 35740# 5423 GAL | | 44,613 |
| | 8/9/83 | SIS | SHIPPED | 37140# 5527 GAL | | 50,140 |
| | 8/9/83 | SIS(USED) | RCVD | 6500 GAL | 52000 | |
| | 8/2/83 | SIS | SHIPPED | 44,900# 6682 GAL | | 56,822 |
| | 8/2/83 | SIS(USED) | RCVD. | 47,440# 6680 GAL | 58,680 | |
| | 8/24/83 | SIS | SHIPPED | 6289 GAL | | 63,111 |
| | 8/31/83 | SIS(USED) | RCVD | 6500 GAL | 65188 | |
| | 8/31/83 | *ACETONE | SHIPPED | 3000 GAL | | 66,111 |
| | 9/2/83 | SIS | SHIPPED | 28680# 4117 GAL | | 70,228 |
| | 9/2/83 | SIS(USED) | RCVD | 48,280# 6600 GAL | 71,788 | |
| | 9/9/83 | SIS | SHIPPED | 27,640 4113 GAL | | 74,341 |
| | 9/9/83 | SIS(USED) | RCVD | 46420 6600 GAL | 78,378 | |
| | 9/16/83 | ACETONE | RCVD | 30,360# 4600 GAL | 82,978 | |
| | 9/22/83 | SIS | SHIPPED | 34,700# 5164 GAL | | 79,505 |
| | 9/22/83 | SIS(USED) | RCVD | 5200 GAL | 88,178 | |
| 17 | 9/28/83 | SIS | SHIPPED | 38,360# 5708 GAL | | 85,213 |
| 5 | 9/28/83 | SIS(USED) | RCVD. | 47,920# 6600 GAL | 94,778 | |
| | 10/6/83 | ACETONE | SHIPPED | 33,640# 5105 GAL | | 90,318 |
| | 10/6/83 | ACETONE(USED) | RCVD | 40,360# 5500 GAL | 100,288 | |
| 3 | 10/19/83 | SIS | SHIPPED | 29,020# 4318 GAL | | 94,636 |
| 79 | 10/19/83 | ACETONE ^{USED} | RCVD | 49,260# 6700 GAL | 106,988 | |
| | 10/26/83 | ACETONE | SHIPPED | 413,650# 6624 GAL | | 101,260 |
| 74 | 10/26/83 | ACETONE ^(USED) | RCVD | 48,500# 6600 GAL | 113,588 | |
| | 12/1/83 | ACETONE ^{SOLD FROM CLAYTON} | SHIPPED | 32,980# 5000 GAL | | 106,260 |
| | 12/16/83 | SIS(USED) | SHIPPED | 6200# 1000 GAL | 114,588 | |
| | 12/1/83 | ACETONE(USED) | RCVD | 5500 GAL | 119,088 | |
| | * | SOLD TO CLAYTON | | 2120,088 | | |

S/A-000159

RECEIVED
JUL 11 1984
FACILITY

| DATE | MATERIAL | SHIPPED RCVD | QUANTITY | Y. T. D. Cum TOTAL USED | Y. T. D. Cum TOTAL PROCESS | DATE |
|---------------------------|----------------|-----------------|----------------------|----------------------------|-------------------------------|--------|
| 1/9/84 | ACETONE (USED) | RCVD. | 38740# 6300 GAL | 6300 GAL | | 7/3/8 |
| 1/9/84 | ACETONE | SHIPPED | 45,460# 6898 | 68 | 6898 GALS | 7/11/1 |
| 2/17/84 | ACETONE | SHIPPED | 44,000# 6677 GAL | | 13,575 | 7/18/1 |
| 2/17/84 | ACETONE (USED) | RCVD | 50,580# 6800 GAL | 13,100 | | 7/18/1 |
| 3/7/84 | ACETONE | SHIPPED | 44,140# 6698 GAL | | 20,273 | 7/27 |
| 3/7/84 | ACETONE (USED) | RCVD | 47,240# 6600 GAL | 19,700 | | 7/2 |
| 3/29/84 | SIS | SHIPPED | 42,860 6378 GAL | | 26,651 | *8/2 |
| 3/29/84 | SIS (USED) | RCVD | 47,500# 6600 GAL | 26,300 | | |
| 4/2/84 | ACETONE (USED) | RCVD | 48,540# 6600 GALS | 32,900 | | 8/10 |
| 4/17/84 | ACETONE (USED) | RCVD | 17,080# 2500 GAL | 35,700 | | 8/17 |
| 4/25 | ACETONE | SHIPPED | *5000 GAL | | 31,651 | 8/1 |
| 5/3 | ACETONE | SHIPPED | *2000 GAL | | 33,651 | 9/5 |
| 5/4 | ACETONE (USED) | RCVD | 47,520# 6600 GAL | 42,300 | | 9/5 |
| 5/10 | ACETONE | SHIPPED | *1000 GAL | | 34,651 | 9/10 |
| 5/14 | ACETONE | SHIPPED | 33,600 5099 GAL | | 39,750 | 9/10 |
| 5/14/84 | ACETONE (USED) | RCVD | 5500 GAL | 47,800 | | 9/20 |
| 5/22/84 | SIS | SHIPPED | 36,520# 5435 GAL | | 45,185 | 9/20 |
| 5/22/84 | SIS (USED) | RCVD | 6500 GAL | 54,300 | | 10/2 |
| 5/23/84 | ACETONE | SHIPPED | *2500 GAL | | 47,685 | 10/2 |
| 5/29 | ACETONE (USED) | RCVD | 5300 | 59,600 | | 10/9 |
| 6/8/84 | ACETONE | SHIPPED | 42,380# 6431 GAL | | 54,116 | 10/10 |
| 6/6/84 | SIS (USED) | RCVD | 44,140 6200 GAL | 65,800 | | 10/1 |
| 6/12/84 | SIS | SHIPPED | 30,900# 4598 GAL | | 58,714 | 10/1 |
| 6/20/84 | SIS | SHIPPED | 38,700# 5759 GAL | | 64,473 | 10/13 |
| 6/20/84 | SIS (USED) | RCVD | 45,480# 6800 GAL | 72,600 | | 10/1 |
| | | | 31,803 +10,500 | | | 11/8 |
| * Sales pickup at Clayton | | | | | | 11/9 |
| | | | | | | 11/11 |
| | | | | | | 11/9 |

S/A-000160

| UM LESS | DATE | MATERIAL | SHIPPED OR RCVD. | QUANTITY | Y.T.D. Cum. TOTAL USED | Y.T.D. Cum. TOTAL PROCESS |
|------------|----------|----------------|------------------------|----------------------|---------------------------|------------------------------|
| | 7/3/84 | SIS | SHIPPED | 37,640# 5601 GAL | | 70,074 |
| 5 GAL | 7/11/84 | ACETONE (USED) | RCVD | 6500 GAL | 79,100 | |
| " | 7/18/84 | ACETONE | SHIPPED | 38,440# 5833 GAL | | 75,907 |
| | 7/18/84 | SIS (USED) | RCVD | 45,440# 6500 GAL | 85,600 | |
| 3 | 7/27/84 | SIS | SHIPPED | 40,240# 5988 GAL | | 81,895 |
| | 7/27/84 | SIS (USED) | RCVD | 42,180# 6400 GAL | 92,000 | |
| | 8/2/84 | ACETONE | DEDUCT NO. | 0.05/GAL | FROM A | GALLONAGE notes? |
| | 8/14/84 | SIS (USED) | RCVD. | 50,440# 6800 GAL | 98,800 | |
| | 8/17/84 | SIS | SHIPPED | 44,940# 6686 GAL | | 88,581 |
| 7 | 8/17/84 | SIS (USED) | RCVD. | 51,540# 6800 GAL | 105,600 | |
| 57 | 9/5/84 | SIS | SHIPPED | 44,000# 6548 GAL | | 95,129 |
| | 9/5/84 | SIS (USED) | RCVD. | 50,580# 6600 GAL | 112,200 | |
| 51 | 9/14/84 | SIS | SHIPPED | 44,280# 6589 GAL | | 101,718 |
| 50 | 9/14/84 | ACETONE (USED) | RCVD. | 6600 GAL | 118,800 | |
| | 9/25/84 | ACETONE | SHIPPED | 33,420# 5071 GAL | | 106,789 |
| 5 | 9/25/84 | SIS (USED) | RCVD. | 48,020# 6600 | 125,400 | |
| | 10/2/84 | SIS | SHIPPED | 33,340# 5059 GALS | | 111,848 |
| 15 | 10/2/84 | SIS (USED) | RCVD | 47,600# 6500 GALS | 131,900 | |
| | 10/9/84 | SIS | SHIPPED | 29,500# 4390 GALS | | 116,238 |
| 16 | 10/19/84 | ACETONE | SHIPPED | 32,200# 4886 GAL | | 121,125 |
| | 10/19/84 | SIS (USED) | RCVD. | 45,320# 6700 GALS | 138,600 | |
| 12 | 10/31/84 | SIS | SHIPPED | 45,080# 6708 GALS | | 127,832 |
| 173 | 10/31/84 | SIS (USED) | RCVD. | 47,860# 6750 GALS | 145,350 | |
| | 10/9/84 | ACETONE (USED) | RCVD | 45,320# 6500 GALS | 151,850 | |
| | 11/5/84 | ACETONE (USED) | RCVD | 44,560# 6600 GALS | 158,450 | SIA-000161 |
| | 11/9/84 | SIS | SHIPPED | 26,840# 3994 GAL | | 131,817 |
| | 11/15/84 | ACETONE | SHIPPED | 42,280# 6416 GAL | | 138,233 |
| | 11/9/84 | " USED | RCVD | 6600 GAL | 165,050 | |

| DATE | MATERIAL | SHIPPED OR RCVD | QUANTITY | Y.T.D. Cum. TOTAL USED | Y.T.D. Cum. TOTAL PROCESS |
|---------|----------------|-----------------------|----------------------|---------------------------|------------------------------|
| 1/16/85 | ACETONE (USED) | RCVD. | 47,340# 6600 GAL. | 6600 GAL | |
| 1/22/85 | ACETONE | SHIPPED | 38,920# 5606 GAL | | 5606 |
| 1/22/85 | ACETONE (USED) | RCVD. | 35,620# 5800 GAL | 134.00 | |
| 2/27/85 | ACETONE | SHIPPED | 43,420# 6589 GAL | | 12,495 |
| 2/27/85 | ACETONE (USED) | RCVD. | 46,620# 6700 GAL | 19,100 | |
| 3/7/85 | ACETONE | SHIPPED | 39,720# 6027 GAL | | 18,522 |
| 3/7/85 | SIS (USED) | RCVD. | 48,470# 6600 GAL | 25,700 | |
| 3/12/85 | SIS | SHIPPED | 24,320# 3619 GAL | | 22,141 |
| 3/12/85 | SIS (USED) | RCVD. | 6000 GAL | 34,700 | |
| 3/20/85 | SIS | SHIPPED | 45,660# 6795 GAL | | 28,936 |
| 3/20/85 | ACETONE (USED) | RCVD. | 6600 GAL | 38,300 | |
| 4/1/85 | ACETONE (USED) | RCVD. | 6600 GAL | 44,900 | |
| 4/4/85 | ACETONE | SHIPPED | 43740 6637 GAL | | 35,573 |
| 4/4/85 | ACETONE (USED) | RCVD. | 6600 GAL | 51,500 | |
| 4/12/85 | ACETONE | SHIPPED | 37,440 5681 | | 41,254 |
| 4/12/85 | SIS (USED) | RCVD. | 6500 GAL | 58,000 | |
| 4/19/85 | SIS | SHIPPED | 5946 GAL 39,960# | | 47,200 |
| 4/19/85 | SIS (USED) | RCVD. | 40,540 5600 GAL | 63,600 | |
| 4/29/85 | SIS | SHIPPED | 39,960# 5946 GAL | | 53,146 |
| 4/29/85 | SIS (USED) | RCVD | 6600 GAL | | |
| 5/3/85 | ACETONE (USED) | RCVD | 6600 GAL | 70,200 | |
| 5/8/85 | SIS | SHIPPED | 40,720# 6060 GAL | | 59,206 |
| 5/8/85 | SIS (USED) | RCVD | 5300 GAL | 75,500 | |
| 5/17/85 | ACETONE | SHIPPED | 41,540# 6303 GAL | | 65,509 |
| 5/17/85 | SIS (USED) | RCVD | 6600 GAL | 82,100 | |
| 5/24/85 | SIS | SHIPPED | 43,540# 6479 GAL | | 71,988 |
| 5/24/85 | ACETONE (USED) | RCVD. | 6600 GAL | 88,700 | |
| 6/4/85 | ACETONE | SHIPPED | 43780# 6443 GAL | | 78,631 |
| 6/4/85 | SIS (USED) | RCVD | 6600 GAL | 95,300 | |

S/A-000163

| DATE | MATERIAL | SHIPPED OR RECEIVED | QUANTITY | Y.T.D. CUM. TOTAL USED | Y.T.D. CUM. TOTAL PROCES |
|----------|------------------|------------------------------|---------------------|---------------------------|-----------------------------|
| 6/13 | SIS | SHIPPED | 45017# 6699 GAL | | 85,330 |
| 6/13 | SIS (USED) | RCVD | 6600 GAL | 101,900 | |
| 6/19 | SIS (USED) | RCVD | 6600 GAL | 108,500 | |
| 7/1 | SIS | SHIPPED | 45120# 6714 GAL | | 92,044 |
| 7/1 | + ACETONE (USED) | RCVD | 6600 GAL | 115,100 | |
| 7/12 | ACETONE | 42200# SHIPPED | 421120# 6392 GAL | | 98,436 |
| 7/24 | + ACETONE (USED) | RCVD | 48,660# 6500 GAL | 121,600 | |
| 7/25 | SIS | SHIPPED | 43,280# 6440 | | 104,876 |
| 7/25 | SIS (USED) | RCVD | 42,320# 5800 GAL | 127,400 | |
| 7/30 | ACETONE | SHIPPED | 28040# 4255 GAL | | 109,131 |
| 7/30 | SIS (used) | RCVD | 6600 GAL | 134,000 | |
| 7/12 | SIS (used) | RCVD | 6500 GAL | 140,500 | |
| 8/7 | + ACETONE (used) | RCVD | 6600 GAL | 146,900 | |
| 8/7 | SIS | SHIPPED | 45,199# 6726 GAL | | 115,857 |
| 8/14 | ACETONE | SHIPPED | 30,300# 4598 GAL | | 120,455 |
| 8/14 | SIS (USED) | RCVD | 41,820# 6500 GAL | 153,400 | |
| 9/3/85 | SIS | SHIPPED | 43,260# 6438 GAL | | 126,893 |
| 9/3/85 | SIS (USED) | RCVD | 45,020# 6500 GAL | 159,900 | |
| 9/12/85 | SIS | SHIPPED | 39,180# 5920 GAL | | 132,813 |
| 9/12/85 | SIS (USED) | RCVD | 46,980# 6600 GAL | 166,500 | |
| 9/20/85 | SIS | SHIPPED | 44,220# 6580 GAL | | 139,393 |
| 9/20/85 | + ACETONE (USED) | RCVD | 6700 GAL | 173,200 | |
| 9/27/85 | SIS (used) | RCVD | 6600 GAL | 179,800 | |
| 10/2/85 | ACETONE | SHIPPED | 34,840# 5287 GAL | | 144,680 |
| 10/2/85 | 11 used | RCVD | 5100 GAL | 184,900 | |
| 10/8/85 | SIS | SHIPPED | 26,460# 3938 GAL | | 148,618 |
| 10/8/85 | SIS (USED) | RCVD | 5500 GAL | 190,400 | |
| 10/16/85 | ACETONE | SHIPPED | 42,400# 6434 GAL | | 155,052 |
| 10/16/85 | + ACETONE USED | RCVD | 6500 GAL | 196,900 | |

| DATE | MATERIAL | SHIPPED RCVD | QUANTITY | YTD USED CUM. TOTAL | YTD NEW CUM. TOTAL |
|----------|------------|-----------------|----------------------------|------------------------|-----------------------|
| 10/28/85 | ACETONE | SHIPPED | 43920 [#] 6665 | | *161,717 |
| 10/28 | SIS (used) | RCVD | 6700 | 203,600 | |

* # should be 161,115. 602 gal error in totals has been made over the year
vs 20,000

| | | | | | |
|-------|------------------|---------|--------------------------------|---------|---------|
| 11/11 | SIS (used) | RCVD | 6600 GAL | 210,200 | |
| 12/3 | SIS | SHIPPED | 45,500 [#] 6771 | | 168,489 |
| 12/3 | SIS (used) | RCVD | 6600 GAL | 216,700 | |
| 12/6 | SIS | SHIPPED | 32260 [#] 4801 GAL | | 173,289 |
| 12/6 | SIS (used) | RCVD | 5600 GAL | 222,300 | |
| 12/13 | SIS (used) | RCVD | 32260 [#] 5000 GAL | 227,300 | |
| 12/13 | + ACETONE (used) | RCVD | 43090 [#] 6600 GAL | 233,900 | |
| 12/31 | ACETONE | SHIPPED | 36560 [#] 5648 GAL | | 178,837 |
| 12/31 | + ACETONE (used) | RCVD | 6500 GAL | 240,400 | |
| 12/31 | | | | | |



Clayton Chemical Co.

May 12, 1986

From Cori
Sigma Chemical Company
P.O. Box 14506
St. Louis, MO 63178

ALCO P. CARR

14 MAY 86

RE: Porposal to Sigma

Clayton Chemical Company shall furnish one 10,000 gallon cone bottom, fully permitted, steel storage tank for waste acetone storage.

Clayton Chemical Company shall receive waste acetone under Illinois manifest from Sigma for processing or disposal to be determined by Sigma.

The storage tank shall be piped direct to the process unit with no other cross connections to any other systems. This tank shall be for Sigma's exclusive use.

Cost of this service shall be \$8,500 due on completion and seventy-five dollars per month thereafter to be paid monthly.

Clayton Chemical Company shall maintain this equipment thereafter.

This agreement shall be based on a system life of six years. If Clayton Chemical Company cannot, for whatever reason, supply this service during this life a direct time proportion of the \$8,500 shall be returned to Sigma. If Sigma does not continue to use this service Clayton Chemical Company shall return \$3,500 of the \$8,500 to Sigma in the first three years.

Sigma shall not ship to Clayton Chemical Company for storage any material which will reduce the six year useful life of this tank system.

Contact with the Air Division IEPA in regards to your tanker trailer, clean solvent storage, was made. They said that each separate compartment was a tank, therefore you will not need any air permit as each compartment is less than 5,000 gallons.

Fred has this info and has agreed to have Clayton Chemical Company get a bid on putting a floored dike area in, to contain this trailer. It will be built large enough to replace the trailer with tanks - someday if need be.


Bud

S/A-000165



Clayton Chemical Co.

December 18, 1986

Mr. Lorenzo Merriweather
Sigma Chemical Company
3500 DeKalb Street
St. Louis, MO 63118

PRIVILEGED AND CONFIDENTIAL
PREPARED FOR COUNSEL

Dear Mr. Merriweather:

Clayton Chemical Company has reviewed our documents pertaining to materials received by Clayton Chemical Company from Sigma Chemical Company's distillation processes in Sauget, Illinois. On eight different occasions Clayton Chemical has received either still bottoms from acetone recovery or processed acetone from your acetone recovery facility during the time period between July 1982 through January 1985. Copy of this outline is attached. "Bottoms" materials received during that time period were transferred by Clayton Chemical to their fuel blending tank R-1 on-site and these materials were put into our fuel mixing program for shipment to either Systech facility in Fredonia, Kansas or other industrial waste fuel users. All of the waste received by Clayton Chemical was, therefore, properly disposed of and no residue exists. While the waste was handled by Clayton Chemical it was handled pursuant to a Part A permit for storage of hazardous waste. The facility was inspected daily for leaks and to Clayton's knowledge, none of the Sigma material ever reached the environment during handling by Clayton Chemical employees.

Processed acetone was purchased from Sigma and sold to third parties as recycled solvent product.

I hope this resolves your concerns as to the disposition of the material provided to Clayton and if we can answer any further questions, please call.

Sincerely,

CLAYTON CHEMICAL CO.

Bud Haney
Sr. Vice President

BH/pf

S/A-000166

PRIVILEGED AND CONFIDENTIAL
PREPARED FOR COUNSEL

Materials Received By Clayton Chemical Company

| | | |
|---------------|--------------|--------------------|
| January 1985 | 640 gallons | Bottoms Distillate |
| February 1985 | 1200 gallons | Bottoms Distillate |
| March 1985 | 1700 gallons | Bottoms Distillate |
| April 1984 | 5000 gallons | Processed Acetone |
| May 1984 | 5500 gallons | Processed Acetone |
| August 1983 | 3000 gallons | Processed Acetone |
| December 1983 | 5000 gallons | Processed Acetone |
| July 1982 | 6000 gallons | Processed Acetone |



Clayton Chemical Co.

PRIVILEGED AND CONFIDENTIAL
PREPARED FOR COUNSEL

September 10, 1987

Ms. Gloria Champagne
Sigma Chemical Company
3500 DeKalb Street
St. Louis, MO 63118

Dear Gloria:

This letter is to inform you of the methods of disposition of recycling residuals at Clayton Chemical.

1) Hazardous Waste Fuel: Still bottoms, hazardous waste oil, and other ignitable organic liquids are blended to meet specifications established by Systech Corp./General Portland Cement. Systech/General Portland utilizes this material as a supplemental fuel in cement kilns at Fredonia, KS; Greencastle, Ind.; Demopolis, AL; Paulding, OH; and Alpena, MI. Contractual agreements between Clayton and Systech allow Clayton to utilize any of the available kilns necessary to facilitate continued operations.

2) Non-Recoverable Solids: Waste solvent and oils are inherently contaminated with varying degrees of "solid" materials. These materials can range from "dirt" to contaminated gloves, clothing, tools, etc. Clayton's screening activities are conducted to remove these solids. Since they are non-recoverable wastes, they are packaged in 55 gallon open head drums and delivered to LWD, Inc., Calvert City, KY, a fully permitted commercial incinerator.

3) Wastewater discharge: Domestic sewage, boiler blowdown water, non-contact cooling water, surface water runoff, captured stormwater, and process wastewater is discharged to the Sauget Industrial Wastewater Treatment Plant under the conditions of Clayton's IEPA sewer permit and conditions imposed by the treatment plant.

4) RCRA empty steel drums are delivered to Lefton Iron and Metal in East St. Louis, IL for steel reclamation.

Please note that these are the only outlets currently used by Clayton for residual disposition. We do not use land disposal in any way, with the exception of our general refuse from the office.

Please contact me with any additional questions or comments.

Sincerely,

CLAYTON CHEMICAL CO.

Dave Wieties

DW/pf

SIGMA[®] chemical company

THE WORLD'S FOREMOST MANUFACTURER OF RESEARCH
BIOCHEMICALS AND DIAGNOSTIC REAGENTS



POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, U.S.A.

CABLE ADDRESS: SIGMACHEM

CALL COLLECT FROM ANYWHERE IN THE WORLD
PHONE: 314-771-5765 TWX: 910-761-0593

November 03, 1987

**PRIVILEGED AND CONFIDENTIAL
PREPARED FOR COUNSEL**

Mr. D. Wieties
Clayton Chemical Company
#1 Mobile Avenue
Sauget, IL 62201

Dear Mr. Wieties:

So that I may update our records and verify information that must be submitted to EPA, it is necessary to ask you to provide us with a copy of the manifest, the RCRA Landfill Ban Notification, the invoice and any other information that you may have for the shipments shown below.

| <u>Sigma No.</u> | <u>Illinois No.</u> | <u>Date</u> | <u>Waste Material</u> | <u>Quantity</u> |
|------------------|---------------------|-------------|-----------------------|-----------------|
| 0135 | IL1510588 | 11/07/86 | ACETONE | 6,500 GAL. |
| 0136 | IL1510589 | 11/10/86 | ACETONE | 6,500 GAL |
| 0140 | IL1510596 | 11/18/86 | ACETONE | 6,500 GAL |
| 0151 | IL1812807 | 01/02/87 | MIXED FLAM LIQ | 4,415 GAL |
| 0152 | IL1812808 | 01/08/87 | ACETONE | 6,000 GAL |
| 0157 | IL1812816 | 01/22/87 | ALCOHOL | 6,000 GAL |
| 0171 | IL1812830 | 03/13/87 | ACETONE | 6,000 GAL |
| 0185 | IL1818962 | 04/27/87 | ACETONE | 6,000 GAL |
| 0193 | IL1818976 | 05/21/87 | ALCOHOL | 6,000 GAL |
| 0197 | IL1818991 | 06/09/87 | ACETONE | 6,500 GAL |
| 0204 | IL1818996 | 06/26/87 | ACETONE | 6,500 GAL |
| 0217 | IL1714503 | 08/13/87 | ACETONE | 3,740 GAL |
| 0225 | IL1714515 | 09/17/87 | ACETONE | 6,500 GAL |

As expressed in a telephone conversation, our reference key is the manifest number for any shipment, on any date, because we may complete several shipments during a day. We desperately need your invoices to reference the manifest number (Illinois or Missouri) so that we may: 1) Complete the shipment file, 2) communicate effectively with you should we have questions, 3) distribute costs properly. To date, yours is the only facility that does not reference any manifest number at billing.

Sincerely,

Gloria Champagne
Sigma Chemical Company

GC/cr
dwl/es

S/A-000169

6-16-88

— MIXED FLAMMABLE SOLVENT SHIPMENT —

A shipment of ~1340 gallons of Mixed
Flammable solvents was shipped to
Clayton Chemical Co, via "Schuber Truck
Co", for incineration. 5/16/88 9:00 AM

Manifest # TL2038890-00084

O'Barner 5/16/88

yes

our

as

per

our

2

argues

8-30-88 - A Mixed FLAMMABLE Solvent Shipment -

A Shipment of 1294 gallons of mixed
Flammable solvents was sent via. Scriber Tank
Lines to Clayton Chemical co. for incineration

Manifest # IL2111635-00109

7-88

K. C. H. 9:00 AM.

K. C. H.

also

2.5"

22-88

also

Blend

12/

K. C. Cullin

K

1-27-89 A Mixed FLAMMABLE solvent
shipment of 6000 gallons was made
via Schiber TANK Lines to Clayton
Chemical Co. for Incineration

MANIFEST # IL 2236914-00

K. Cullin

1-27-89 11⁰⁰ AM

Blend

4-89

K. C. Cullin

10-89

Blend

Batch 211

4-89

Blend

5-89

Blend

NOTE! -

CHEROKEE SHIPMENTS
IN BACK OF BOOK

Shipments from used solvent tanks - Dehally
for reclamation From 5/14/87 - (Clayton Start-up)

1. 5/14/87 8000 gal. used alcohol from tanks 62 + 61 (1
- To Clayton for reclamation (3000 gal)(3000 gal)
2. 5/27/87 6500 gal. used alcohol from tank 212.
- To Clayton for reclamation
3. 6/3/87 6350 gal. used alcohol from tank 208
- To Clayton for reclamation
4. 6/9/87 6500 gal. used acetone from tank 209
- To Clayton for reclamation
5. 6/10/87 6500 gal. used alcohol from tank 212
- To Clayton for reclamation
6. 6/16/87 6500 gal. used acetone from tank 209
- To Clayton for reclamation (4975 gal. shipped as
waste - high pH)
7. 6/25/87 6200 gal. used alcohol from tank 212.
- To Clayton for reclamation
8. 6/26/87 6500 gal. used acetone from tanks 211 + 209
- To Clayton for reclamation (5225 gal. (1275 gal.
(211 emptied)
9. 7/8/87 5000 gal. used alcohol from tank 212
- To Clayton for reclamation
10. 7/15/87 6500 gal. used alcohol from tank 212
- To Clayton for reclamation
11. 7/24/87 6600 gal. used alcohol from tank 212
- To Clayton for reclamation

S/A-000173

Shipments from used solvent tanks - Dehally - For incine

13. 1/8/87 6358 gal. of used acetone from tanks 209 (5,780 gal.) and 211 (578 gal.) was shipped Manifest # 12 181280
Lot # 17F-7060

- To Clayton for incineration Cement Kiln Fuel - W.R.

14. 1/22/87 5940 gal. of used alcohol from tank 208

- To Clayton for incineration Cement Kiln Fuel - W.R.

15. 2/6/87 6925 gal. of used alcohol from 212

- To Solvent Recovery

16. 2/20/87 6275 gal. of used acetone from 211 (5645) and 209 (211 emptied)
- To Solvent Recovery

17. 3/10/87 7130 gal. of used acetone from 211 (5730) and 209 (211 emptied)
- To Solvent Recovery

18. 3/13/87 7200 gal. of used acetone from 211 (4000) and 209 (3200) (211 emptied)
- To Clayton for incineration Cement Kiln Fuel - W.R. 5,

19. 3/18/87 7570 gal. of used acetone from 209
- To Solvent Recovery

20. 3/24/87 6925 gal. of used acetone from 209 - Tank en
- To Solvent Recovery

SIA-000174

21. 4/27/87 6000 gal. of used alcohol from 208
- To Clayton for incineration Cement Kiln Fuel - W.R.

22. 5/7/87 6000 gal. of used alcohol from 212
- To Clayton for incineration Cement Kiln Fuel - W.R.

22. 5/12/87 6000 gal. of used alcohol from 212

24. 5/24/87 3000 gal. of used acetone from 209
- To Clayton chem. for incineration Cement Kiln Fuel - W.R. 5/16/87
25. 6/17/87 6140 gal. of used acetone from 209 - Tank emptied
- To Clayton chem. for incineration Cement Kiln Fuel - W.R. 5/16/87
26. 7/20/87 6000 gal. of used acetone from 209
- To Clayton chem. for incineration Cement Kiln Fuel - W.R. 5/16/87
- Dehalls - Shipments from used solvent tanks for reclamation
- ✓ 27. 8/6/87 6,440 gal. of used alcohol from 212 (3555 gal.) and 208 (2890)
To Clayton for reclamation.
28. 8/13/87 3740 gal. of used acetone from 211 - Tank emptied
- To Clayton for reclamation
29. 8/20/87 6625 gal. of used alcohol from 212
- To Clayton for reclamation
-
- Dehalls used solvent tanks - shipments for all purposes -
30. 8/27/87 2200 gal. of used acetone from tank 209 - Tank empt
- To Clayton for incineration Cement Kiln Fuel - 5/16/87
31. 8/31/87 4900 gallons used alcohol from tanks 212 (2500)
and 62-N pad (2400)
- To Clayton for reclamation
- + 32. 9/17/87 5650 gal. used acetone from tank 211
- To Clayton for reclamation - Tank not emptied
- Must be emptied by 10/31/87
- + 33. 10/6/87 2375 gal. used acetone from tank 211

34. 2900 gal. used acetone from tank 209 - 10/21/87
- to Clayton for incineration (290+unknowns by GC) Cement Kiln
Tank emptied - Must be emptied again by 1/5/88
- ✓ 35. 11/3/87 6500 gal. of used alcohol from tank 212
- To Clayton for reclamation.
36. 12/2/87 3410 gal. of used acetone from tank 211
- To Clayton for reclamation (tank emptied)
- + 37. 12/16/87 6475 gal. of used acetone from tanks 209 (3315 - emp
and 211 (3160 - not empty).
- To Clayton Chemical for reclamation.
- + 38. 12/18/87 6700 gal. of used acetone from tanks 209 (700 gal) and
211 (6000 gal - empty)
- To Clayton Chemical for reclamation
39. 12/21/87 6500 gal. of used acetone from tanks 209 (1150 gal - ne
and 211 (5350 gal - tank empty)
- To Clayton Chemical for reclamation.
40. 12/28/87 6400 gal. of used acetone from tank 211 - not empty
- To Clayton Chemical for reclamation.
- + 41. 12/30/87 6630 gal. of used acetone from tank 209 - not empty
- To Clayton Chemical for reclamation
42. 1/6/88 6700 gal. of used alcohol from tank 212 - not empty
- To Clayton Chemical for reclamation
43. 1/12/88 6345 gal. of used acetone from tank 211 - not empty
- To Clayton Chemical for reclamation.

44. 6670 gal. of used acetone from tank 211 (1740 gal, emptied) and tank 209 (4930 gal., not emptied). To Clayton Chemical for Reclamation. (1-20-88)

45. 5900 gal of used alcohol from tank 208 - tank emptied (2-24-88) - To Clayton for incineration Cement Kiln Fuel - 5/16/90 W

46. 6300 gal. of used acetone from tanks - (209 - 4930 gal., empty) or (3-10-88) (211, 1370 gal not empty)

- To Clayton for reclamation.

47. 3-25-88 5160 gal. used acetone from T 209 (975 gal. - tank emptied) and T 211 (4185 gal. - tank emptied). To Clayton for incineration Cement Kiln Fuel - 5/16/90 W

48. 3-30-88 6329 gal. used alcohol from T 208 (tank not emptied) - To Clayton Chemical for incineration Cement Kiln Fuel 5/16/90 W

49. 4-6-88 6105 gal. mixed solvent (4315 gal. used alcohol from tank 212, not emptied) and (1790 gal used acetone from tank 209, Tank emptied) - To Clayton Chemical for incineration Cement Kiln Fuel 5/16/90

50. 3/23/88 5885 gal. used alcohol from T 212 (tank not emptied) - To Clayton Chemical for incineration Cement Kiln Fuel 5/16/90

52. 4/27/88 6,400 gal. used alcohol from tank 212 shipped out - To Clayton Chemical for Reclamation - (Tank Empty).

Used Solvent Shipments - Dehally

54. 6/8/88 7,440 gal. used alcohol from T 212 was shipped to Clayton Chemical for reclamation (Tank Empty)
55. * 6/9/88 6017 gal. used acetone from T 211 was shipped to Clayton Chemical for incineration (Tank emptied)
Cement Kiln Fuel - W.R. 5/16/90
56. 6/23/88 6,175 gal. used acetone from T 211 was shipped to Clayton Chem. for reclamation - tank not emptied but was emptied 6/24 when 2048 gal. was transfer to Hazardous Waste T 2 (mixed flammable) to make a for 10,000 gal. used acetone from G.O. run 6/27-28.
57. 6/24/88 6,185 used alcohol from T 208 was shipped to Clayton for incineration (Tank Not Emptied)
Cement Kiln Fuel - W.R. 5/11/90
58. 6/28/88 6,340 gal. of used acetone was shipped to Clayton Chemical Co. for reclamation (Tank emptied) (T 2)
59. 7/21/88 5,595 gal. of used alcohol was shipped to Clayton Chemical Co. for incineration (T 208, tank emptied)
Cement Kiln Fuel - W.R. 5/16/90
60. 7/28/88 3460 gal. of used acetone was shipped to Clayton Chemical Co. for reclamation (T 211, Tank emptied)
61. 8/11/88 5090 gal. of used alcohol was shipped to Clayton Chemical Co. from T 212, tank emptied from this load + 2800 gal. Transferred to T 208 for later incineration
- For incineration Cement Kiln Fuel - W.R. 5/16/90
62. 8/24/88 4500 gal. of used acetone was shipped to Clayton Chemical Co. from T 211 (Tank emptied)
Note:
- For reclamation
63. 9/11/88 5600 gal. of used acetone was shipped from T 211 to

Used Solvent Shipments - Deball

64. 9/7/88 4985 gal. of used acetone was shipped to Clayton Chemical Co. from T211 - for reclamation - tank not empty.

66. 10/5/88 6730 gal. of used alcohol was shipped to Clayton Chem. Co. for reclamation - T212, emptied.

67. 10/6/88 5515 gal. of used acetone was shipped to Clayton Chem. Co. for reclamation. - T211, not emptied.

69. 11/8/88 6475 gal. of used alcohol was shipped to Clayton Chemical Co. for ^{concentration} ~~reclamation~~ - 5810 gal. from tank 208 (emptied) and 665 gal. from tank 212 (not emptied)

70. 12/6/88 6400 gal. of used acetone was shipped to Clayton Chem. Co. for reclamation - from T219 (not emptied)
T19 tank emptied 12/7/88 - 800 gal. transferred to T220

S/A-000179

72. 12/20/88 6688 gal. of used acetone was shipped to Clayton Chemical Co. for reclamation from T219 (tank not emptied)

Used solvent shipments - O shall

74. 1/12/89 6630 gal. used alcohol was shipped to Clayton Chem. Co. from T212 for reclamation (Tank not emptied.)
75. 1/17/89 5,646 gal. of used Alcohol was shipped to Clayton Chem. Co. from T208 (8275 gal, tank emptied) and T212 (3371 gal, tank emptied) - For ~~incineration~~ ^{Cement Kiln Fuel - w.R. 5/16/90}
76. 1/20/89 6,543 gal. used acetone was shipped to Clayton Chem. Co. from T219 (not emptied) - For reclamation
77. 1/23/89 6,300 gal. used acetone was shipped to Clayton Chem. Co. ^{Cement Kiln Fuel - w.R. 5/16/90} for ~~incineration~~ - from T219 (780 gal., tank empty) and T220 (5,520 gal., tank not empty) Man. #142236912
- + 78. 1/31/89 6,550 gal. used acetone was shipped to Clayton Chem. Co. for reclamation (T219, not emptied).
81. 3/1/89 6675 gal. of used alcohol was shipped to Clayton Chem. for reclamation (T212, Not emptied)
82. 3/14/89 5785 gal. of used alcohol was shipped to Clayton Chemical Co. ^{Cement Kiln Fuel - w.R. 5/16/90} for ~~incineration~~. (10 gal. T208-empty, and 5775 gal. from T212-empty).
- + 83. 3/15/89 6,502 gal. of used acetone was shipped to Clayton Chem. Co. for reclamation. 3353 gal. from T219, empty

✓ 84. 4/10/89 3,200 gal. - Used alcohol was shipped to Clayton Chem. Co. for reclamation. Tank 212 - Not emptied.
 Note: This load was sent to Cherokee St. Plant and approx. 3000 gal. used alcohol was added to this load before shipment to Clayton Chem. - 6200 gal. total shipment.

✓ 85. 4/14/89 6,205 gal. - used alcohol was shipped to Clayton Chem. Co. for reclamation - T212 Tank emptied.

✓ 86. 5/2/89 6,470 gal. used alcohol was shipped from T212 to Clayton Chem. Co. for reclamation - tank not emptied.

+ 87. 5/10/89 5,750 gal. used acetone was shipped from T219 to Clayton Chem. Co. for reclamation - tank not emptied.

✓ 88. 5/12/89 6,355 gal. used alcohol was shipped from T212 to Clayton Chem. Co. for reclamation - tank not emptied.

89. 5/17/89 4,992 gal. used acetone shipped from T220 for Cement Mill Fuel - W.R. 5/16/89
 reclamation - tank not emptied. To Clayton Chemical Co.

✓ 92. 5/23/89 6500 gal. used acetone was shipped to Clayton Chem. for reclamation - 5/23/89 T219 - Not Emptied

S/A-000181

✓ 93. 6/1/89 - 6600 gal. used alcohol was shipped to Clayton Chem. Co. for reclamation - T212 - Not Emptied

95. 6/5/89 - 6,615 gal. used alcohol shipped to Clayton Chem Co for reclamation. T 212 - tank emptied
96. 6/22/89 - 6,675 gal. used alcohol was shipped to Clayton Chem. Co. for reclamation from T212 - tank not emptied
98. 8/11/89 - 5,935 gal. used alcohol shipped to Clayton Chem. Co. for reclamation. T212. Tank emptied
- + 97. 8/9/89 - 6500 gal. used acetone shipped to Clayton Chem Co. for reclamation, T 219, tank not emptied.
99. 8/21/89 - 5950 gal. of used alcohol was shipped ^{disposal incl. 5/16/90} for ~~incineration~~ from T208. tank emptied.
- ✓ 100. 8/30/89 - 7040 gal of used alcohol was shipped to Clayton Chem. Co. for reclamation - T212, not emptied.
- + 101. 9/1/89 - 3795 gal. of used acetone was shipped to Clayton Chem Co for reclamation - T219, not emptied, del Manifest # 40375
- + 102. 9/1/89 - 2nd shipment same day - 3285 gal. used acetone was shipped to Clayton Chem. Co. for reclamation T 219, tank emptied, del. Manifest # 4037512
103. 9/7/89 - 6100 gal. used alcohol shipped to Clayton Chem Co. from T212. For reclamation, tank emptied.

105. 10/9/89 5950 gal. of used alcohol was shipped from
T208 for ^{disposal - see S/16/89} ~~incineration~~. tank not emptied

+ 106. 10/16/89 5253 gal. of used acetone was shipped from T219
for reclamation at Clayton Chem. Co. tank emptied
of all liquid.

107. 10/18/89 6,660 gal. of used alcohol was shipped from T212 for
reclamation at Clayton chemical Co. tank Not emptied.

chem.

in chem.

4037511

was

113. 11-29-89 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON
CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL
PARTIAL E.C.

S/A-000183

✓ 114. 1-10-90 SPENT ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.

TANK T-219 SPENT ACETONE 6122 GAL NOT EMPTY
MANIFEST # IL4037593

✓ 116. 2-13-90 SPENT ALCOHOL SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.

TANK 212 SPENT ALCOHOL 4565 GAL EMPTY (795 SOLIDS)
TANK 208 SPENT ALCOHOL 170 GAL EMPTY (255 SOLIDS)
4735 GAL

✓ 117. 3-1-90 SPENT ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.

TANK 219 6262 GAL NOT EMPTY
MANIFEST # IL 4037627

SIA-000184

✓ 118. 3-15-90 SPENT ALCOHOL SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.

✓ 129, 4-10-90 SPENT ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO,
TANK 219 SPENT ACETONE 6504 GAL NOT EMPTY

MANIFEST # IL 3250047-00625

✓ 122, 4-27-90 SPENT ALCOHOL SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.
TANK 212 6443 GAL NOT EMPTY

S/A-000185

✓ 124. 5-7-90 SPENT ALCOHOL SHIPMENT SENT
TO CLAYTON CHEMICAL CO FOR RECLAMATION
VIA COMMERCIAL CARTAGE.

T-212 SPENT ALCOHOL 5560 GAL, EMPTY
OF ALL LIQUID, ~795 GAL SOLIDS LEFT
IN TANK.

S/A-000186

✓ 127. 6-21-90 SPENT ALCOHOL SHIPMENT SENT TO
CLAYTON CHEMICAL CO. FOR RECLAMATION VIA

✓ 128. 7-16-90 SPENT ALCOHOL SHIPMENT SENT TO
CLAYTON CHEMICAL CO. FOR RECLAMATION VIA
COMMERCIAL CARTAGE.

T-212 SPENT ALCOHOL 6700 GAL NOT EMPTY

✓ 129. 7-25-90 SPENT ACETONE SHIPMENT SENT TO
CLAYTON CHEMICAL CO. FOR RECLAMATION VIA
COMMERCIAL CARTAGE

T-219 SPENT ACETONE 4728 GAL EMPTY OF ALL
LIQUID ~ 515 GAL SOLIDS

MANIFEST # 1L4240568-00679

(Sol. 195)

2 SOLIDS

✓ 132 8-2-90 SPENT ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL CO FOR RECLAMATION
VIA COMMERCIAL CARTAGE

T-219 6000 GAL NOT EMPTY

MANIFEST # 1L

✓ 134. 8-7-90 SPENT ALCOHOL SHIPMENT SENT TO
CLAYTON CHEMICAL CO. FOR RECLAMATION VIA
COMMERCIAL CARTAGE CO.
T-212 SPENT ALCOHOL 5139 GAL EMPTY (475 GAL SOLID)

✓ 135. 9-11-90 SPENT ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL CO. FOR RECLAMATION
VIA COMMERCIAL CARTAGE CO.
T-219 6500 GAL NOT EMPTY
MANIFEST #

2105) ✓ 139. 10-31-90 A SPENT ALCOHOL SHIPMENT SENT TO
CLAYTON CHEMICAL CO. FOR RECLAMATION VIA
COMMERCIAL CARTAGE CO.

T-212 SPENT ALCOHOL 6040 GAL EMPTY (475 SOLIDS)

NOTE: TANK 212 WAS RECIRCULATED FOR 3 HOURS
ON 10-30-90 AND 1 HOUR ON 10-31-90 PRIOR
TO UNLOADING.

✓ 144 12-7-90 USED ACETONE SHIPMENT SENT
TO CLAYTON CHEMICAL FOR RECLAMATION
VIA COMMERCIAL CARTAGE.
T-219 4400 GAL NOT EMPTY
MANIFEST # 1L4240667-00755

148. 2-8-91 A SPENT ACETONE SHIPMENT WAS
SENT TO CLAYTON CHEMICAL VIA COMMERCIAL
CARTAGE FOR RECLAMATION
T-219 SPENT ACETONE 6000 GAL NOT EMPTY

(SOS)

152. 3-5-91 A USED ALCOHOL SHIPMENT WAS
SENT TO CLAYTON CHEMICAL CO. FOR
RECLAMATION VIA COMMERCIAL CARTAGE CO.
T-212 USED ALCOHOL 5815 GAL EMPTY (385 SOLIDS)

T-212 WAS RECIRCULATED FOR TWO HOURS ON 3-4-91
AND FOR TWO HOURS ON 3-5-91 PRIOR TO LOADING
THE TANKER

157. 4-18-91 A USED ALCOHOL SHIPMENT WAS SENT TO
CLAYTON CHEMICAL FOR RECLAMATION VIA COMMERCIAL
CARTAGE.

solids) F-212 USED ALCOHOL 5907 GAL EMPTY (385 S

2224 GY)
LOADING-

75

161. 5-15-91 A USED ALCOHOL/WATER/SLUDGE SHIPMENT WAS SENT TO CLAYTON CHEMICAL CO. FOR DISPOSAL VIA SHIBER TRANSPORT. THE LOAD CONTAINED APPROXIMATELY 1000 GAL OF SLUDGE AND 1500 GAL WATER, THE MATERIAL WAS VACUUMED FROM USED ALCOHOL TANKS T-208 + T-212. THE FLASHPOINT WAS 86°F. TOTAL GALS SHIPPED 2452 GAL. TRI-RINSE DID THE LABOR AND SHIBER SUPPLIED THE 6000 GAL VACUUM TRUCK

S/A-000194

3-27-89

A mixed Flammable Solvent Shipment
 of 4518 gallons was made via ~ Shiber Truck
 Company, Inc. to Clayton Chemical Co. for inciner-
 ation. Manifest Number IL2250450-00456

3-27-89 8:30AM Steven Cheng

gallons
 gallons
 gallons
 gal

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UTILIZATION CLAYTON CHEMICAL

DISTILLATION COLUMNS*

(Hours of Operation)

| | ACETONE (Hours) | ALCOHOL (Hours) |
|-----------|--------------------|--------------------|
| January | 87.5 | 0 |
| February | 0 | 22.0 |
| March | ? | ? |
| April | 0 | 34.5 |
| May | 0 | 46.5 |
| June | 107.0 | 18.0 |
| July | 0 | 43.0 |
| August | 65.0 | 0 |
| September | 65.5 | 0 |
| October | 41.0 | 70.5 |
| November | 0 | 0 |
| December | 61.0 | 0 |

*Based on Clayton Chemical invoices and confirmed with Production Services Records.

SGD/cr
uchdc/hw
01/20/89

S/A-000204

BULK SOLVENT DISPOSAL - DEKALB FACILITY - 1988

(Gallons of Solvent)

| | Methanol | Ethanol | Acetone | Chloroform |
|--|---------------|--------------------|--------------------|--------------------|
| Solvent Reclaimed | ---- | 33,070 | 75,338 | ---- |
| Solvent Rejected ¹ | ---- | 23,272 | 13,776 | ---- |
| Reclaimable Mixed ² Solvents | ---- | 8,254 ³ | 3,795 ⁴ | 6,225 ⁵ |
| Non-reclaimable Mixed Solvents | 11,242 | 12,381 | 15,178 | 6,225 |
| | <u>11,242</u> | <u>76,977</u> | <u>108,087</u> | <u>12,450</u> |

1. Solvent rejected due to water greater than 30% or pH cannot be adjusted to 5.0 with less than 16 mls/liter solvent. (Prod. 4 solvents normally require 80 mls/liter H₂SO₄)
2. Solvent in small batches or contain other solvent mixtures but may be reclaimed if the issue was pushed.
3. Ethanol - 40% of our general mixed solvents could be reclaimed.
4. Acetone - 20% of our general mixed solvents could be reclaimed.
5. Chloroform - 50% of our general mixed solvents could be reclaimed.

SGD/lđr
bsdd/hw
01/19/89

S/A-000205

BULK SOLVENT DISPOSAL - CHEROKEE FACILITY - 1988

(Gallons of solvent)

| | Methanol | Ethanol | Acetone |
|---|---------------------|---------------------|---------------------|
| Solvent Reclaimed | ---- | 7918 | ---- |
| Solvents Rejected ¹ Due to pH, H ₂ O | 40,706 | 99,587 | 9,846 |
| Reclaimable Mixed ² Solvent | 20,194 ³ | 36,982 ⁴ | 14,805 ⁵ |
| Non-reclaimable Mixed Solvent | 13,562 | 15,840 | 6,345 |
| | <u>74,362</u> | <u>160,339</u> | <u>30,996</u> |

1. Solvent rejected due to water than 30% or pH cannot be adjusted to 5.0 with less than 16 mls/liter solvent. (Prod V solvents normally require 100 mls/liter H₂SO₄)
2. Solvent in small batches or contain other solvent mixtures but may be reclaimed if the issue was pushed.
3. Ethanol - 60% of our general mixed solvents could be reclaimed.
4. Acetone - 70% of our general mixed solvents could be reclaimed.
5. Methanol - 70% of our general mixed solvents could be reclaimed.

SGD/ldr
bsdc/hw
01/19/89

S/A-00021

→ Clayton Chemical file
W/C → E.S.

To: Ron Wolfe
From: S. Hummer
Subject: Clayton Operations 2/5 - 6/17
Date: June 24, 1988

No Solvent Processing was done during the
weeks of: 2/22, 2/29, 3/7, 3/14, 3/21, 3/21, 3/28, 4/4,
4/11, 4/25, 5/2, 5/9, 5/16

Used Alcohol shipped to Clayton
25,900 gals.

No Used Acetone shipped to Clayton

Process Solvents Recovered at Clayton
Alcohol - 11,025 gals
Acetone - 5,630 gals

Processed Solvents Shipped to Sigma
Alcohol 7,810 gals
Acetone - 11,424 gals

Clayton Operating Hours
132

Bottoms Generated
4425 gals

In addition, Clayton operated one of their distillation units ^{to} determine its efficiency.

Dates 2/16 - 2/18

Operating hours - 22

This work was scheduled by Jim Meyers.

S. M.

6/24/88

To: Elan Steward

SOLVENT RECOVERY COSTS AT CLAYTON FROM MAY, 1987 THROUGH JANUARY, 1988

| Month | Clayton Gallonage Charges | Clayton's Shift Charges | Clayton's Labor Charges | Bottoms Disposal Costs | Insurance Costs | Total |
|-----------|---|-------------------------|-------------------------|------------------------|-----------------|-------------|
| May | \$3799.36 | \$2040.00 | \$1020.00 | \$ 586.50 | \$ 382.20 | \$ 7828.06 |
| June | 4984.00 | 4935.00 | 2467.50 | 2575.50 | 764.10 | 15,726.10 |
| July | 5768.00 | 5700.00 | 2850.00 | 3050.00 | 289.57 | 17,657.57 |
| August | 5200.00 | 6450.00 | 3225.00 | 1977.00 | 789.57 | 17,641.57 |
| September | 1856.00 | 3570.00 | 1785.00 | 1035.00 | 764.10 | 9,010.10 |
| October | 1040.00 | 1770.00 | 885.00 | 340.50 | 817.47 | 4,852.97 |
| November | 1696.00 | 1533.00 | 766.00 | 559.50 | 791.10 | 5,346.10 |
| December | 3120.00 | 3825.00 | 1912.50 | 1357.50 | 817.47 | 11,032.47 |
| January | 2080.00 | 2685.00 | 1342.50 | 487.50 | 817.47 | 7,412.47 |
| | | | | | | |
| | \$29,543.36 | \$32,508.00 | \$16,254.00 | \$11,969.00 | \$ 6,233.05 | \$96,507.41 |
| | | | | | | |
| | 156,100 gals. spent solvents shipped to Clayton in this period. | | | | | |
| | 63,800 gals. Alcohol was processed and shipped to Sigma | | | | | |
| | 58,100 gals. Acetone was processed and shipped to Sigma | | | | | |
| | 121,900 total Gallons | | | | | |
| | 96,507.41 = \$0.79/gallon | | | | | |
| | 121,900 | | | | | |
| | In addition 19,100 gallons of Processed Alcohol is stored at Clayton which Sigma must pay 0.32/gal. when shipped. | | | | | |

S.W.
4/6/88

S/A-000209

Materials Receipts - Clayton Chem Co

| | | | | | |
|-------------------------|------------|---|---|-------------------|---|
| January 1985 | 640 gals. | we paid 40¢/gal. for disposal (where it goes?)* | { | Bottom Distillate | |
| Feb 1985 | 1200 gals. | | | " | " |
| March 1985 | 1700 gals. | | | " | " |
| May 1984 | 5500 gal | we sold to Clayton as product | { | Processed Acetone | |
| April 1984 | 5000 " | | | " | " |
| August 1983 | 3000 " | | | " | " |
| Dec Dec 1983 | 5000 " | | | " | " |
| July 1982 | 6000g " | | | " | " |

Picked up by & sold to Superior

S. M.

9/12/86

check invoices to get dates of transactions whereby I paid for bottom distillate disposal. Then ask Bud Haney where those particular shipments went.

(615) 271-0467

PAYMENT MADE TO CLAYTON CHEMICAL
FOR DISTILLATION

EAB 4/23/86

| | | 1 | 2 | 3 | 4 |
|--|--|-------|-------|---|---|
| MONTH BILLED | | 1985 | 1986 | | |
| JAN | | 2353 | 6425 | | |
| FEB | | 3214 | 2364 | | |
| MAR | | 8817 | 5272 | | |
| APR | | 10720 | | | |
| MAY | | 10061 | | | |
| JUNE | | 6447 | | | |
| JULY | | 9993 | | | |
| AUG | | 6968 | | | |
| SEPT | | 9180 | | | |
| OCT | | 8282 | | | |
| NOV | | 1440 | | | |
| DEC | | 6271 | | | |
| TOTAL | | 83746 | 14061 | | |
| Bud Handy in St Louis 4-25-86 | | | | | |
| - Sigma Les Ill manifest number | | | | | |
| - Alternate fuel source for acetone | | | | | |
| - Bud to prepare a method. | | | | | |
| (Since) | | | | | |
| - SRC is best for how at how manifest | | | | | |
| Do they have Revm Part B | | | | | |
| - Prema gene for insurance Cost | | | | | |

S/A-000211



INDUSTRIAL TESTING LABORATORIES inc.

2350 Seventh Blvd.

St. Louis, Missouri 63104

Chemists

Engineers

Metallurgists

314/771-7111

Report No. 87-1-249

February 10, 1987

Examination of one (1) waste sample submitted 1/21/87 marked, "Water/Alcohol".

Sigma Chemical Company
P.O. Box 14508
St. Louis, MO 63178

P.O.: 76433M
Attn: Mr. Bob Wulf

*Alcohol Bottoms from Clayton Chem. ~1900 gal
in tank*

TEST REPORT

E.P. Toxicity:

| | |
|----------------|-------|
| Arsenic, mg/l | *0.5 |
| Barium, mg/l | 1.26 |
| Cadmium, mg/l | 0.29 |
| Chromium, mg/l | 0.43 |
| Lead, mg/l | *0.5 |
| Mercury, mg/l | *0.02 |
| Selenium, mg/l | *0.1 |
| Silver, mg/l | *0.5 |

Flash Point, °F.
(PMCC) 127

Analysis conducted in accordance with EPA, SW-846, April 1984.

*Less than.

Respectfully submitted,

INDUSTRIAL TESTING LABORATORIES, INC.

Allan M. Siegel

Allan M. Siegel, P.E.
Director

S/A-000203

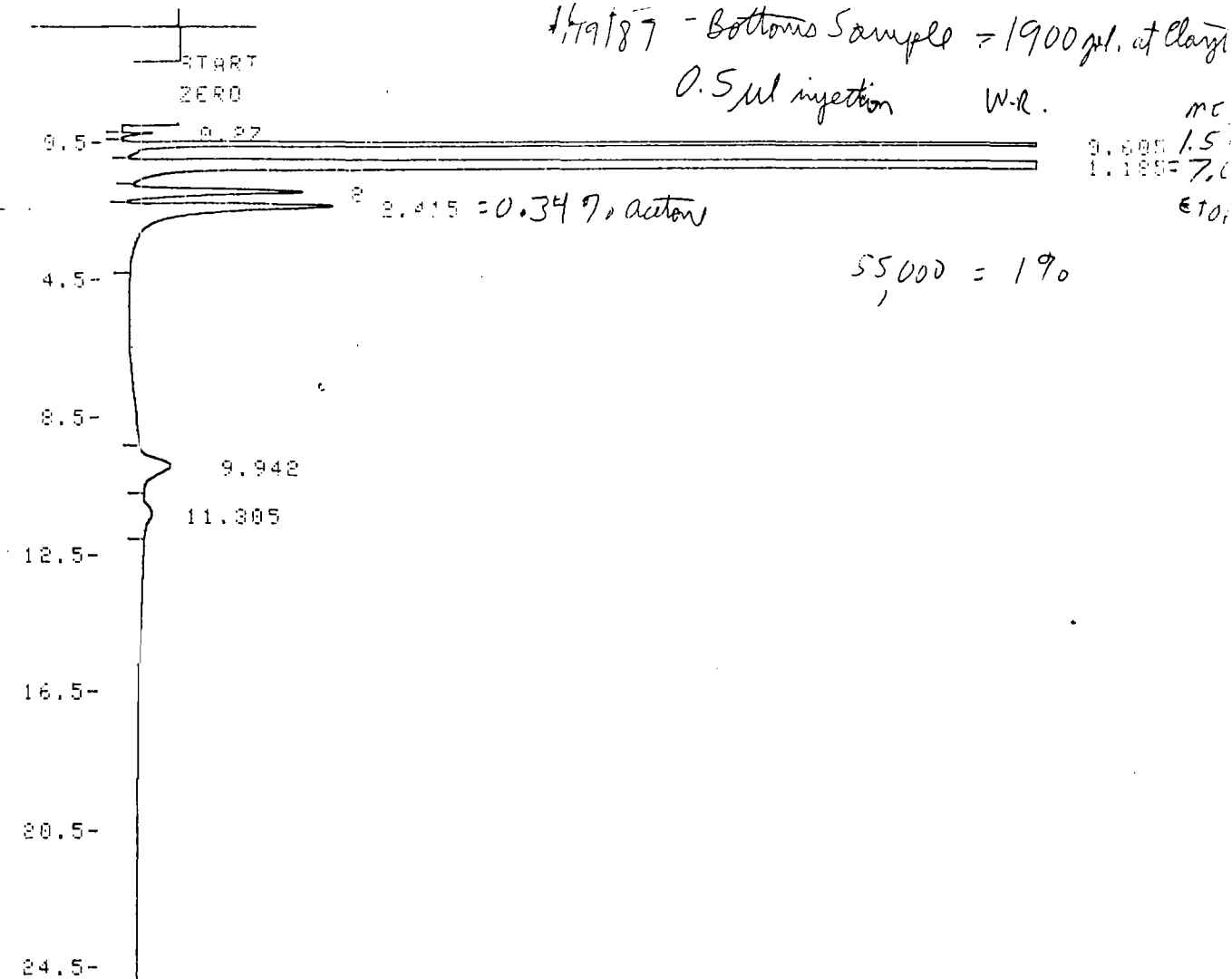
Lab No. 74086
KL /WL/RW/gnd

Inv. #11731

WIDTH 5
 TRIST 0
 T.DEL 0
 ATEN 2
 METHOD# 0421
 SPL.WT 100

SLOPE 59.1199
 MIN.ARF 19
 STOP.TM 4
 SPEED 3
 FORMATS 000
 TO 10

STOP.TM(5)=25
 SLOPE(5)=99



| PKNO | TIME | AREA | MK | IDNO | CONC | NAME |
|-------|--------|--------|----|------|---------|------|
| 1 | 0.27 | 453 | | | 0.0901 | |
| 2 | 0.605 | 79064 | V | | 15.729 | |
| 3 | 1.185 | 390210 | V | | 77.6302 | |
| 4 | 2 | 9973 | V | | 1.984 | |
| 5 | 2.415 | 17391 | V | | 3.4598 | |
| 6 | 9.942 | 4979 | | | 0.8098 | |
| 7 | 11.305 | 1493 | V | | 0.297 | |
| TOTAL | | 502662 | | | 100 | |

To: Carol Green
From: Elsa Steward,

Alcohol Bottoms at Clayton

1/20/87

Amount ~ 1900 gal

Reboiler shut-off ~ 92°C

Various Solvent concentrations

~ 90% H₂O (by K.F.)

1.5% MECH

7.1% ETOH

3% Acetone

Flash pt. 117°F Tag Closed Cup

Autone;

Distillate - 1-1.5% H_2O
1-1.5% $MeOH$
1-2% $EtOH$
97-95% Autone

Phil, Elsa,
This is a general composition of the used
alcohol / acetone that we redistill.
Approx. concentrations of various solvents in "feed"
and "distillate" at solvent recovery operations.

R. Wiley
9/25/82

Alcohol;

Feed - 15-25% H_2O
10-13% MEON
1-2% Acetone
1% MIBK
73-60% ETOH

Re-Processed Alcohol

7-8% H_2O
10-12% MEON
1-2% Acetone
1% MIBK
~ 78% ETOH

Acetone;

Feed - 7-12% H_2O
1-2% MEON
2-4% ETOH
80-90% Acetone

Autone bottoms after being stripped to 96°C

Composition; ~3% ETOH
1% MEQH
1% Autone
95% H_2O

F.P. \rightarrow $\sim 145^{\circ}\text{F}$

On stripping the normal autone bottoms, we collect
 $\sim 40\%$ of the original volume.

RWulf 12/16/85

Autone Bottoms Composition

Autone Bottoms composition at 72° Shutdown

~ ⁶⁵~~60~~% H₂O
25% Autone
9% ETOH
1% MECH

Flash pt. ~18°F

Return rate of Used Autone is ~70-75%
recovery with ~1250 gal Processed Autone
distilled / working day.

RWulf 12/16/85

Flash point determinations of Alcohol Bottoms

3/26/84

Normal Alcohol ~~bottoms~~; (~1500 gal)

① Reboiler temp. cut-off $\rightarrow 90^{\circ}\text{C}$

Concentration of various solvents

93% H_2O
1.3% MEOH
4.5% ETOH
1.2% Autone

Flash pt. 117°F

② Added ~38% H_2O to sample

Concentrations of various solvents

96.6% H_2O
0.6% MEQH
2.3% ETOH
0.5% Autone

Flash pt. 140°F